SITED RAIN PREFABRICATED DRAINS





AMERICAN WICK DRAIN (AWD) provides high quality subsurface drainage solutions, leveraging decades of expertise in commercial, government and residential applications. Our optimized system and innovative product line combine geotextiles and specially designed drainage cores. From retaining walls, concrete slabs, trench drains, and athletic fields, AWD is the trusted name working below the surface to ensure the surrounding earth is dry, solid and secure. AWD prefabricated drains provide an engineered response to a variety of drainage problems by collecting and redirecting water away from a structure or site.

We manufacture an extensive line of our AWD SITEDRAIN products to mitigate subsurface drainage for a broad range of construction applications. Our prefabricated drains consist of formed three-dimensional polymeric cores combined with a geotextile. The core offers strength to withstand soil pressure and provides a secure flow channel for collected water. The geotextile retains soil particles while allowing water to freely enter the drainage core. Our sheet, strip, combination and wick drains provide an engineered response to your drainage problem.

AWD **SITEDRAIN** products are manufactured to meet ASTM standard physical and mechanical properties. Design considerations typically include three basic physical properties: water flow rate, core compressive strength and ability of the geotextile to filter soil particles. Please visit our website for more information.

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- iv. SITEDRAIN C-188

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- iii. SITEDRAIN C-216
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- b. AWD Fitting & Joint Tape

$\mathsf{SITEDRAIN}^\mathsf{TM}$ product name breakdown



Compression (psf)	Geotextile	Options
6 =6,000 psf 9 = 9,000 psf 110 = 11,000 psf 180 = 18,000 psf 210 = 21,000 psf 300 = 30,000 psf	The geotextile numeral designates the nominal unit weight of the fabric.	AWD offers alternative builds using customized geotextiles. Contact us for more information.



SITEDRAIN™ SHEET 60 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 60 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 60 Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	63	64	64-T	66	66-W	68
GEOTEXTILE								
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
Cook Toosile Charach	AOTM D/070	lbs	100	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	445	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CBR Puncture	ASTM D6241	lbs	305	365	295	505	800	580
CBR Pulicture	A5111 D0241	N	1,356	1,624	1,312	2,246	3,560	2,580
Transpaidal Tasr	ASTM D4533	lbs	50	60	70	85	180 x 130	100
Trapezoidal Tear	A5111 D4555	N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
A	ASTM D4751	sieve	70	70	80	70	50	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
Water Flow Rate	ASTM D4491	gpm / ft²	165	175	70	155	195	135
water flow rate	A3111 D4491	Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE								
0	ASTM D6364	psf	6,000	6,000	6,000	6,000	6,000	6,000
Compressive Strength	ASTM D1621	kPa	287	287	287	287	287	287
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4	0.4	0.4
HIICKHESS	ASTIT DOISS	mm	10	10	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	15	15	15	15	15
	AUTTOTAL	Lpm/m	186	186	186	186	186	186
COMPOSITE								
Roll Size	MEASURED	ft	4 x 50	4 x 50				
			6 x 50	6 x 50				

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

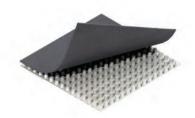
² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 63 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 63 is an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
orab rensile strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDN FullCluie	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezoluai Teal	A3111 D4555	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening size (Aos)		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water flow Nate		Lpm / m ²	6,724	6,112
CORE				
Compressive Strength	ASTM D6364	psf	6,000	-
compressive strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THOMICOS	AOTTI BOIOU	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
		Lpm/m	186	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	33	148	350
	6 x 50	49		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 64 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 64 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBR Pulicture	A5111 D0241	N	1,624	1,512
Transsidal Tass	ASTM D4533	lbs	60	50
Trapezoidal Tear	A5111 D4555	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Circ (AOC) 3	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow kate		Lpm / m ²	7,130	5,704
CORE				
0	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
	7,0111 5 1710	Lpm/m	186	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	34	141	310
	6 x 50	50	149	060

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 64-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 64-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 64-T is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	150	130
orab rensile strength	A3111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDR FUIICIUIE	A3111 D0241	N	1,312	1,228
Transzaidal Taar	ASTM D4533	lbs	70	60
Trapezoidal Tear	A3111 D4000	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
Apparent opening size (AOS)		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
Water Flow Nate		Lpm / m ²	2,850	2,444
CORE				
Compressive Strongth	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THICKIICSS	AUTTI BUILU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
		Lpm/m	186	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	34		-
	6 x 50	50		

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

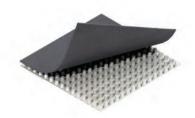
² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 66 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 66 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDN I UIICIUI E	ASTIT DUZ41	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezoluai Teal	A3111 D4333	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AOO)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water Flow Nate		Lpm / m ²	6,315	4,482
CORE				
Compressive Strength	ASTM D6364	psf	6,000	-
compressive strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THIOMIOSO	710717 20100	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
201120177		Lpm/m	186	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	37		-
	6 x 50	53	149	980

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

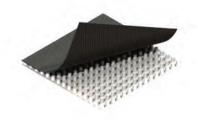
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 66-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 66-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 66-W is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	365 x 200
orab rensile strength	A3111 D4032	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CBR Puncture	ASTM D6241	lbs	800	675
CBR Pulicture	A3111 D0241	N	3,560	3,004
Turners' del Terr	ACTM D/F77	lbs	180 x 130	115 x 75
Trapezoidal Tear	ASTM D4533	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
Apparent Opening City (AOC)3	ASTM D4751	sieve	50	40
Apparent Opening Size (AOS) ³		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft ²	195	145
water flow kate		Lpm / m ²	7,944	5,907
CORE				
0	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
	7,0111 5 1710	Lpm/m	186	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	35		-
	6 x 50	59		-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 68 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 68 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDIX I UIICIUI E	ASTIT DUZ41	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezoluai Teal	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (Aoo)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water Flow Nate		Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	6,000	-
compressive strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THIOMIOSO	710717 50100	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
		Lpm/m	186	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	40		-
	6 x 50	56		-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

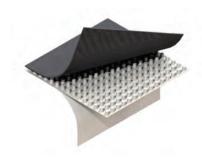
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 60-B SERIES



PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 60-B Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 60-B Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	63-B	64-B	66-B	68-B
GEOTEXTILE				1	1	
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
Crob Tonoilo Ctronath	ACTM D/C70	Ibs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD D	ACTM DOD/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tananaidal Tana	ACTM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
1 2 1 2 1 2 1 2 1 7	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flam Data	AOTH D / / 01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						'
0	ASTM D6364	psf	6,000	6,000	6,000	6,000
Compressive Strength	ASTM D1621	kPa	287	287	287	287
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
THICKHESS	פפוכט ויו ופא	mm	10	10	10	10
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	15	15	15
III I IGIIG I IOW NATE	או/דע וווטא	Lpm/m	186	186	186	186
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

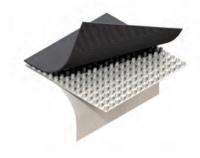
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 63-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 63-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 63-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and additional protection for softer waterproofing membranes.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crab Tanaila Ctranath	ACTM D/C70	lbs	100	80
Grab Tensile Strength	ASTM D4632	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ACTM DCQ/1	lbs	305	210
CBK Puncture	ASTM D6241	N	1,356	934
Taranasidal Tara	ACTM D/577	lbs	50	30
Trapezoidal Tear	ASTM D4533	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water Flow Rate		Lpm / m ²	6,724	6,112
CORE				
Carrant Charact	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
	AOTH D INTO	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Null 01263	4 x 50	34		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

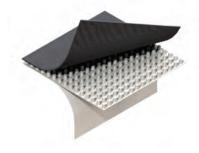
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 64-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 64-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 64-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBR Pulicture	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
rrapezoidai rear	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate		Lpm / m ²	7,130	5,704
CORE				
Compressive Ctrongth	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKIICSS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
	7,0111 0 1710	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD It	em Code
Available Roll 01260	4 x 50	35		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

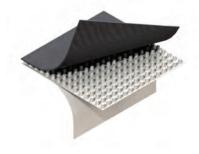
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 66-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 66-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 66-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBR Pulicture	ASTP1 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
rrapezoidai rear	A5111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow rate		Lpm / m ²	6,315	4,482
CORE				
Compressive Ctrongth	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKIICSS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
	7.0711 0 1710	Lpm/m	186 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olees	4 x 50	38		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

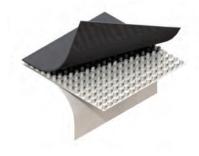
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 68-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 68-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 68-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
Grab Tensile Strength	A5111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Puncture	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
ттарегонат теат	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AUS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate	A3111 D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive Strongth	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
	7,0111 0 1710	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	41		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 90 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 90 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 90 Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and moderate flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	93	94	94-T	96	96-W	98
GEOTEXTILE							1	
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
Cook Toosile Channel	ACTM D/ 070	lbs	100	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	445	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CDD D strs	ACTM DOG/1	lbs	305	365	295	505	800	580
CBR Puncture	ASTM D6241	N	1,356	1,624	1,312	2,246	3,560	2,580
Transpaidal Tass	ASTM D4533	lbs	50	60	70	85	180 x 130	100
Trapezoidal Tear	A3111 D4533	N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
A	ASTM D4751	sieve	70	70	80	70	50	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
Water Flam Date	AOTM D//01	gpm / ft²	165	175	70	155	195	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE								
C	ASTM D6364	psf	9,000	9,000	9,000	9,000	9,000	9,000
Compressive Strength	ASTM D1621	kPa	431	431	431	431	431	431
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25	0.25	0.25
THICKHESS	ASTRI DOISS	mm	6.35	6.35	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	12	12	12	12	12
III I Idile I Iow Nate	AUTTI DATTU	Lpm/m	149	149	149	149	149	149
COMPOSITE								
Roll Size	MEASURED	ft	4 x 50	4 x 50				

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 93 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 93 is an economical solution for single-sided subsurface drainage applications requiring moderate strength and moderate flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
orab rensile strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CBK Pulicture	A5111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezuluai Teal	ASTIT 04000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening Size (AUS)		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
Water Flow Nate		Lpm / m ²	6,724	6,112
CORE				
Compressive Ctronath	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTIT DS188	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	AUTH D ITTO	Lpm/m	149 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
THURSDO NOR OLDO	4 x 50	28	164	400

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 94 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 94 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
Grab Tensile Strength	A5111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBR Puncture	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
ттарегонат теат	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive Strongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
	7,0111 0 1710	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	29	100	060

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 94-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 94-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 94-T is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	150	130
orab rensile strength	A3111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDK FUIICIUIE	A3111 D0241	N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
rrapezuluai reai	A3111 D4333	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
Apparent opening Size (AOS)		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
Water Flow Rate	ASTI D4491	Lpm / m ²	2,850	2,444
CORE				
Compressive Strangth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTIT DOIGG	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
		Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
a.abio non oizoo	4 x 50	29		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 96 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 96 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab relisile strellytti	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBR Puncture	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
ттарегонат теат	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow rate	A3111 D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive Strongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
	7,0111 0 1710	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	32	100	070

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 96-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 96-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 96-W is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Cook Tonella Channath	ASTM D4632	lbs	430 x 240	365 x 200
Grab Tensile Strength	A5111 D4032	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CBR Puncture	ASTM D6241	lbs	800	675
CBR Puncture	A3111 D0241	N	3,560	3,004
Transpaidal Tasy	ASTM D4533	lbs	180 x 130	115 x 75
Trapezoidal Tear	A51M D4555	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
A	ASTM D4751	sieve	50	40
Apparent Opening Size (AOS) ³		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft²	195	145
water flow kate		Lpm / m ²	7,944	5,907
CORE				
Communication Characteristic	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
	טוודט וווטת	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I\UII UI263	4 x 50	30		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 98 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 98 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab relisile strellytti	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Puncture	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
ттарегонат теат	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AUS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate	A3111 D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive Ctrongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	7,0711 0 1710	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil 01263	4 x 50	35	100	080

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 90-B SERIES



PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 90-B Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 90-B Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	93-B	94-B	96-B	98-B
GEOTEXTILE				1		
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
Cook Tourille Characth	ACTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD D	ACTM DCQ/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tuescasidal Taes	40TM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flow Rate	AOTH D / / 01	gpm / ft²	165	175	155	135
water flow kate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						
Camananai va Charanath	ASTM D6364	psf	9,000	9,000	9,000	9,000
Compressive Strength	ASTM D1621	kPa	431	431	431	431
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25
THICKHESS	אפונע ויונא	mm	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	12	12	12
III I Idile I Iow hate	חו/דע וווסא	Lpm/m	149	149	149	149
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

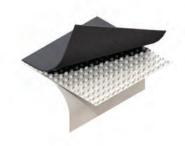
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 93-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 93-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 93-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and additional protection for softer waterproofing membranes.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crab Tanaila Ctranath	ASTM D4632	lbs	100	80
Grab Tensile Strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CBR Pullclure	A3111 D0241	N	1,356	934
Transpaidal Toor	ASTM D4533	lbs	50	30
Trapezoidal Tear	A3111 U4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A+ Oi Ci (AOC) 3	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	AOTM D//01	gpm / ft²	165	150
water flow kate	ASTM D4491	Lpm / m ²	6,724	6,112
CORE				
0	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTRI DOISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	סו/דע וווסה	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I/UII 31262	4 x 50	29	13	210

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 94-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 94-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 94-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
Grab Tensile Strength	A5111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBR Puncture	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
ттарегинат теат	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
Water Flow Rate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive Strongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
	7,0111 0 1710	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	30	133	220

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

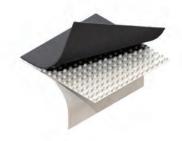
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 96-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 96-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 96-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Crah Tanaila Ctranath	ASTM D4632	lbs	195	160
Grab Tensile Strength	ASTRI D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBK Pulicture	A3111 D0241	N	2,246	1,824
Transpaidal Taar	ASTM D4533	lbs	85	60
Trapezoidal Tear	ASTRI D4555	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Circ (ACC) 3	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow kate		Lpm / m ²	6,315	4,482
CORE				
Camananai na Ohuananh	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTIT DS188	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
	AUTH DIFFIC	Lpm/m	149	-
COMPOSITE			1	
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Rull 01265	4 x 50	33	133	230

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

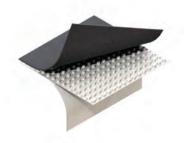
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 98-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 98-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 98-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV						
GEOTEXTILE										
Material ²			PP, NPNW	PP, NPNW						
Survivability	AASHTO M288	Class	1	1						
Grab Tensile Strength	ASTM D4632	lbs	245	205						
	A3111 D4032	N	1,090	912						
Grab Elongation	ASTM D4632	%	60	50						
CBR Puncture	ASTM D6241	lbs	580	535						
CBR Puncture		N	2,580	2,380						
Trapezoidal Tear	ASTM D4533	lbs	100	80						
		N	445	356						
UV Resistance	ASTM D4355	% / 500 Hrs	70	70						
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80						
Apparent opening Size (AUS)		mm	0.180	0.180						
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4						
Water Flow Rate	ASTM D4491	gpm / ft²	135	100						
	ASTI1 D4491	Lpm / m ²	5,501	4,074						
CORE										
Compressive Strongth	ASTM D6364	psf	9,000	-						
Compressive Strength	ASTM D1621	kPa	431	-						
Thickness	ASTM D5199	in	0.25	-						
111101111622		mm	6.35	-						
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-						
	7.0711 0 1710	Lpm/m	149	-						
COMPOSITE										
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code							
	4 x 50	36	-							

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] SHEET 110 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 110 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 110 Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	113	114	114-T	116	116-W	118		
GEOTEXTILE										
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW		
Survivability	AASHTO M288	Class	-	3	3	2	-	1		
Grab Tensile Strength	ASTM D4632	lbs	100	135	150	195	430 x 240	245		
		N	445	601	667	867	1,914 x 1,068	1,090		
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60		
CBR Puncture	ASTM D6241	lbs	305	365	295	505	800	580		
		N	1,356	1,624	1,312	2,246	3,560	2,580		
Trapezoidal Tear	ASTM D4533	lbs	50	60	70	85	180 x 130	100		
		N	222	267	310	378	801 x 579	445		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	80	70	50	80		
		mm	0.212	0.212	0.180	0.212	0.300	0.180		
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8		
Water Flow Rate	ASTM D4491	gpm / ft²	165	175	70	155	195	135		
		Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501		
CORE				,			'			
Compressive Strength	ASTM D6364	psf	11,000	11,000	11,000	11,000	11,000	11,000		
	ASTM D1621	kPa	527	527	527	527	527	527		
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4	0.4	0.4		
		mm	10	10	10	10	10	10		
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	18	18	18	18	18		
		Lpm/m	224	224	224	224	224	224		
COMPOSITE										
Roll Size	MEASURED	ft	4 x 50	4 x 50						
			-	6 x 50	6 x 50	6 x 50	6 x 50	6 x 50		
			-	8 x 50	8 x 50	8 x 50	8 x 50	8 x 50		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

 $^{^2}$ PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 113 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 113 is an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crah Tanaila Ctranath	ASTM D4632	lbs	100	80
Grab Tensile Strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDK FUIICIUIE	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezoluai Teal	A3111 D4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening size (AUS)		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water riow hate	ASTIT D4451	Lpm / m ²	6,724	6,112
CORE				
Compressive Strongth	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
HIIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	-
	AUTT UTTO	Lpm/m	224	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available I\UII 01263	4 x 50	38	100	000

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 114 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 114 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV	
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	
Survivability	AASHTO M288	Class	3	3	
Crob Tonoile Ctrongth	ASTM D4632	lbs	135	120	
Grab Tensile Strength	A3111 D4032	N	601	534	
Grab Elongation	ASTM D4632	%	60	50	
CBR Puncture	ASTM D6241	lbs	365	340	
ODK PUNCTURE	A3111 D0241	N	1,624	1,512	
Transpaidal Toor	ACTM D/EZZ	lbs	60	50	
Trapezoidal Tear	ASTM D4533	N	267	222	
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	
A	ASTM D4751	sieve	70	70	
Apparent Opening Size (AOS) ³		mm	0.212	0.212	
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7	
Water Flow Rate	AOTM D//O1	gpm / ft²	175	140	
water flow kate	ASTM D4491	Lpm / m ²	7,130	5,704	
CORE					
Community Channeth	ASTM D6364	psf	11,000	-	
Compressive Strength	ASTM D1621	kPa	527	-	
Thickness	ASTM D5199	in	0.4	-	
THICKHESS	ASTIT DSISS	mm	10	-	
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-	
		Lpm/m	224	-	
COMPOSITE					
	Dimensions (ft)	Weight (lbs)		em Code	
Available Roll Sizes	4 x 50 6 x 50	40 51		001	
	8 x 50	68	10005 14640		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 114-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 114-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 114-T is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Cook Towalla Channak	ACTM D/070	lbs	150	130
Grab Tensile Strength	ASTM D4632	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ACTM DCC/1	lbs	295	276
CBK PUNCTURE	ASTM D6241	N	1,312	1,228
T	ACTM D/577	lbs	70	60
Trapezoidal Tear	ASTM D4533	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A 1 O ' O' (AOO) 3	ASTM D4751	sieve	80	60
Apparent Opening Size (AOS) ³		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flam Data	AOTH D//01	gpm / ft²	70	60
Water Flow Rate	ASTM D4491	Lpm / m ²	2,850	2,444
CORE				
0	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
HIIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
	7,6777 5 7776	Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	40		
	6 x 50	51		
	8 x 50	68	-	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

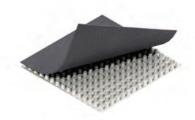
 $^{^2\,}$ PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 116 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 116 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Cook Tongilo Channeth	ACTM D/070	lbs	195	160
Grab Tensile Strength	ASTM D4632	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBK Puncture	A51M D0Z4I	N	2,246	1,824
Tunanai dal Tana	AOTM D/F77	lbs	85	60
Trapezoidal Tear	ASTM D4533	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Date	AOTM D//01	gpm / ft²	155	110
Water Flow Rate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				
0	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DOISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
	7,0111,01710	Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	43		002
	6 x 50 8 x 50	54 72		006

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 116-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 116-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 116-W is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
O. I. T "I. O II.	40TM D/070	lbs	430 x 240	365 x 200
Grab Tensile Strength	ASTM D4632	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
ODD D	AOTM D00/1	lbs	800	675
CBR Puncture	ASTM D6241	N	3,560	3,004
T 'I.I.T	40TM D/F77	lbs	180 x 130	115 x 75
Trapezoidal Tear	ASTM D4533	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
1 0 1 0 1007	ASTM D4751	sieve	50	40
Apparent Opening Size (AOS) ³		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
W.L. Fl. D.L.	AOTM D//01	gpm / ft²	195	145
Water Flow Rate	ASTM D4491	Lpm / m ²	7,944	5,907
CORE		1		
	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKNESS	פפוכע ויו נפא	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	-
III I Idile I Iow Nate	אלודם וווטא	Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50	41	-	
Transportion 01200	6 x 50	60	-	
	8 x 50	80	-	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 118 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 118 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Cook Towalla Channak	AOTM D/070	lbs	245	205
Grab Tensile Strength	ASTM D4632	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBK Puncture	ASTM D0241	N	2,580	2,380
Tues end del Tees	AOTM D/ F77	lbs	100	80
Trapezoidal Tear	ASTM D4533	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
4	ASTM D4751	sieve	80	80
Apparent Opening Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	Sec ⁻¹	1.8	1.4
Water Ele Date	AOTM D//01	gpm / ft²	135	100
Water Flow Rate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKNESS	A3111 D3199	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	-
III I Idile I Iow Nate	סוידע וווסא	Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		m Code
Available Roll Sizes	4 x 50	46	100	003
THAIRDIO HOII OIZOO	6 x 50	57		-
	8 x 50	76		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 110-B SERIES



PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 110-B Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 110-B Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	113-B	114-B	116-B	118-B
GEOTEXTILE						1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
Cook Towalla Otwanath	ACTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CBR Puncture	ASTM D6241	Ibs	305	365	505	580
CBK Pulicture	A5111 D0241	N	1,356	1,624	2,246	2,580
Transpaidal Toor	ASTM D4533	lbs	50	60	85	100
Trapezoidal Tear	ASTM 04555	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flam Data	AOTM D//01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						
Compressive Strongth	ASTM D6364	psf	11,000	11,000	11,000	11,000
Compressive Strength	ASTM D1621	kPa	527	527	527	527
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
THICKHESS	ASTIT DS188	mm	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	18	18	18
	A0111 0 1/10	Lpm/m	224	224	224	224
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50
I/OII SIZE	LIENOUVER	IL	-	6 x 50	6 x 50	6 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

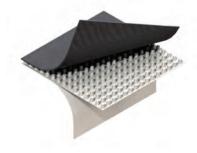
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 113-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 113-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 113-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and additional protection for softer waterproofing membranes.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
Grap rensile strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDR FullCluie	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezolual Teal	A3111 D4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening size (AUS)	A3111 D4731	mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
Water Flow Nate	ASTIT D4451	Lpm / m ²	6,724	6,112
CORE				
Compressive Strength	ASTM D6364	psf	11,000	-
Compressive strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	A0111 D3103	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
	7,0111 5 1710	Lpm/m	224	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Transfer from 01200	4 x 50	39	147	730

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

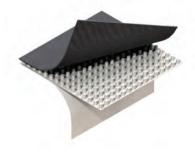
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 114-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 114-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 114-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Crob Topoilo Ctropath	ASTM D4632	lbs	135	120
Grab Tensile Strength	ASTRI D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBK Puncture	A51M D024I	N	1,624	1,512
Tananai dal Tana	40TM D/F77	lbs	60	50
Trapezoidal Tear	ASTM D4533	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	AOTM D//01	gpm / ft²	175	140
water flow kate	ASTM D4491	Lpm / m ²	7,130	5,704
CORE				
Communica Characth	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DS188	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	41		-
	6 x 50	52		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

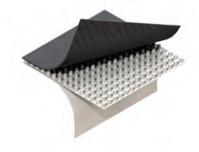
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 116-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 116-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 116-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Cush Tanaila Chuanath	ASTM D4632	lbs	195	160
Grab Tensile Strength	ASTM D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBR Pulicture	A3111 D0241	N	2,246	1,824
Transpoidal Toor	ASTM D4533	lbs	85	60
Trapezoidal Tear	ASTRI D4555	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) 3	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	AOTM D / / 01	gpm / ft²	155	110
water riow kate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				
C	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	AUTIT DUIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	44		-
	6 x 50	55		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

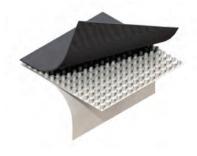
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 118-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 118-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 118-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
Grab Terisile Strength	ASTR D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezuluai Teal	ASTI 04000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (AOS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water riow Nate	A3111 D4431	Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	11,000	-
compressive strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	AUTIT DUIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	224	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	47		-
	6 x 50	58		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 180 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 180 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 180 Series products provide an economical solution for single-sided subsurface drainage applications requiring high strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	183	184	184-T	186	186-W	188
GEOTEXTILE								
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
O . I. T 'I. O II.	AOTM D/070	lbs	100	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	445	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CDD D t	ACTM DOD/1	lbs	305	365	295	505	800	580
CBR Puncture	ASTM D6241	N	1,356	1,624	1,312	2,246	3,560	2,580
Tunnanidal Tana	ACTM D/F77	lbs	50	60	70	85	180 x 130	100
Trapezoidal Tear	ASTM D4533	N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
A	AOTM D/7F1	sieve	70	70	80	70	50	80
Apparent Opening Size (AOS) ³	ASTM D4751	mm	0.212	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
W. L. Fl. D. L.	10TH D / / 01	gpm / ft²	165	175	70	155	195	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE				,				
C	ASTM D6364	psf	18,000	18,000	18,000	18,000	18,000	18,000
Compressive Strength	ASTM D1621	kPa	862	862	862	862	862	862
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4	0.4	0.4
THICKHESS	ASTIT DOISS	mm	10	10	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21	21	21
III Fidile Flow Nate		Lpm/m	261	261	261	261	261	261
COMPOSITE								T
			4 x 50	4 x 50				
Roll Size	MEASURED	ft	-	6 x 50	6 x 50	6 x 50	6 x 50	6 x 50
			-	8 x 50	8 x 50	8 x 50	8 x 50	8 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 183 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 183 is an economical solution for single-sided subsurface drainage applications requiring high strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crah Tanaila Ctranath	ASTM D4632	lbs	100	80
Grab Tensile Strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDK FUIICIUIE	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezuluai Teal	A3111 D4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening size (AOS)		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water riow hate	ASTIT D4451	Lpm / m ²	6,724	6,112
CORE				
Compressive Strongth	ASTM D6364	psf	18,000	-
Compressive Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
HIIICKHESS	ASTIT DS188	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	AUTTI D ITTO	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Noil 01263	4 x 50	46	100	90

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 184 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 184 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDN FullClure	A3111 D0241	N	1,624	1,512
Transpoidal Toor	ASTM D4533	lbs	60	50
Trapezoidal Tear	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive Strongth	ASTM D6364	psf	18,000	-
Compressive Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	AUTTI DUIU	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	47		100
	6 x 50	65		320
	8 x 50	87	130	000

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

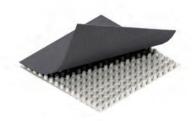
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 184-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 184-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 184-T is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

		**	MARV
		PP, SBNW	PP, SBNW
AASHTO M288	Class	3	3
40TM D/070	lbs	150	130
ASTM 04632	N	667	578
ASTM D4632	%	50	50
AOTM D00/1	lbs	295	276
ASTM D6241	N	1,312	1,228
10TH D/F77	lbs	70	60
ASIM D4533	N	310	290
ASTM D4355	% / 500 Hrs	70	70
ASTM D4751	sieve	80	60
	mm	0.180	0.250
ASTM D4491	Sec ⁻¹	1.0	0.8
	gpm / ft²	70	60
ASTM D4491	Lpm / m ²	2,850	2,444
	'		
ASTM D6364	psf	18,000	-
ASTM D1621	kPa	862	-
ACTM DE100	in	0.4	-
פפוכעו ויו נא	mm	10	-
ASTM D/.716	gpm/ft	21	-
ASTIT D4710	Lpm/m	261	-
Dimensions (ft)	Weight (lbs)		m Code
		101	40
			-
	ASTM D4632 ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4355 ASTM D4751 ASTM D4491 ASTM D4491 ASTM D6364 ASTM D1621 ASTM D5199 ASTM D4716	ASTM D4632 ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4355 ASTM D4751 ASTM D4751 ASTM D4491 ASTM D4491 ASTM D4491 ASTM D6364 ASTM D1621 ASTM D1621 ASTM D1621 ASTM D4716 Dimensions (ft) Veight (lbs) 4 x 50 6 x 50 Weight (lbs)	ASHTO M288 Class Jbs J50 ASTM D4632 N 667 ASTM D4632 % Jbs 295 ASTM D6241 N 1,312 ASTM D4533 N J10 ASTM D4533 N ASTM D4355 % / 500 Hrs 70 ASTM D4751 mm J180 ASTM D4491 ASTM D4491 ASTM D4491 ASTM D4491 ASTM D4491 ASTM D491 ASTM D491 ASTM D491 ASTM D6364 ASTM D6

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

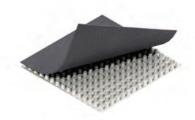
 $^{^2}$ PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 186 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 186 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV	
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	
Survivability	AASHTO M288	Class	2	2	
Grab Tensile Strength	ASTM D4632	lbs	195	160	
Gran Tensile Strength	A3111 D4032	N	867	712	
Grab Elongation	ASTM D4632	%	60	50	
CBR Puncture	ASTM D6241	lbs	505	410	
CDN Fullcture	A3111 D0241	N	2,246	1,824	
Trapezoidal Tear	ASTM D4533	lbs	85	60	
Trapezoidal Teal	АЗТП 04000	N	378	267	
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	
Apparent opening Size (AOS)		mm	0.212	0.212	
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5	
Water Flow Rate	ASTM D4491	gpm / ft²	155	110	
Water Flow Rate	A3111 D4431	Lpm / m ²	6,315	4,482	
CORE					
C	ASTM D6364	psf	18,000	-	
Compressive Strength	ASTM D1621	kPa	862	-	
Thickness	ASTM D5199	in	0.4	-	
THICKHESS	ASTIT DSISS	mm	10	-	
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-	
	7,6111,51716	Lpm/m	261	-	
COMPOSITE					
	Dimensions (ft)	Weight (lbs)	AWD Ite		
Available Roll Sizes	4 x 50 6 x 50	50 68	10 ⁻		
	8 x 50	91	16380 13040		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 186-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 186-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 186-W is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
O. I. T " O II.	40TM D/070	lbs	430 x 240	365 x 200
Grab Tensile Strength	ASTM D4632	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
ODD D	AOTM D00/1	lbs	800	675
CBR Puncture	ASTM D6241	N	3,560	3,004
TT	40TM D/F77	lbs	180 x 130	115 x 75
Trapezoidal Tear	ASTM D4533	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
1 0 1 0 (100)7	ASTM D4751	sieve	50	40
Apparent Opening Size (AOS) ³		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
W . 51 D .		gpm / ft²	195	145
Water Flow Rate	ASTM D4491	Lpm / m ²	7,944	5,907
CORE				
	ASTM D6364	psf	18,000	-
Compressive Strength	ASTM D1621	kPa	862	-
Thistory	AOTM DE100	in	0.4	-
INICKNESS	ASTM D5199	mm	10	-
In-Plana Flow Rate 4	ASTM D4716	gpm/ft	21	-
III-I Idile I IOW Nate	A3111 D4710	Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	
Available Roll Sizes	4 x 50	48	164	
Available Noil 01263	6 x 50	74	163	70
ermittivity /ater Flow Rate ORE ompressive Strength hickness	8 x 50	99	-	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 188 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 188 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Crob Tonoile Ctrongth	ASTM D4632	lbs	245	205
Grab Tensile Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CDD Dunatura	ACTM DCQ/1	lbs	580	535
oparent Opening Size (AOS) ³	ASTM D6241	N	2,580	2,380
Tunnani dal Tana	AOTM D/F77	lbs	100	80
rrapezoidai rear	ASTM D4533	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	80	80
Apparent upening Size (AUS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flam Date	AOTH DATO	gpm / ft²	135	100
Water Flow Rate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
0	ASTM D6364	psf	18,000	-
Compressive Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	ACTION	Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	53		410
	6 x 50 8 x 50	71 95		900

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

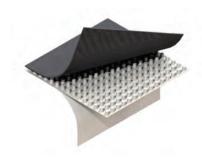
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 180-B SERIES



PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 180-B Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 180-B Series products provide an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	183-B	184-B	186-B	188-B
GEOTEXTILE						1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
O h. T	AOTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CBR Puncture	ASTM D6241	Ibs	305	365	505	580
CBR Pulicture	A5111 D0241	N	1,356	1,624	2,246	2,580
Transpaidal Toor	ASTM D4533	lbs	50	60	85	100
Trapezoidal Tear	ASTRI 04555	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	70	80
Apparent opening size (AUS)		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flow Rate	AOTM D7/01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						
Compressive Strength	ASTM D6364	psf	18,000	18,000	18,000	18,000
compressive strength	ASTM D1621	kPa	862	862	862	862
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
THICKIESS	A0111 D3103	mm	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21
	7,0111 5 17 10	Lpm/m	261	261	261	261
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50
NOII OIZE	HEASUNED	11	-	6 x 50	6 x 50	6 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

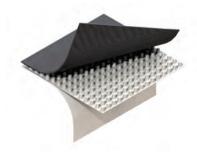
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 183-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 183-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 183-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and additional protection for softer waterproofing membranes.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Cook Towalla Channak	ASTM D4632	lbs	100	80
rab Tensile Strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CBR Pulicture	A5111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
тгарегонан теаг	A3111 D4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening size (AUS)	ופישט ויו ופא	mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	AOTM D / / 01	gpm / ft²	165	150
Water Flow Nate	ASTM D4491	Lpm / m ²	6,724	6,112
CORE				
C	ASTM D6364	psf	18,000	-
Compressive Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	AUTH DIFFE	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll 01263	4 x 50	47	13	180

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

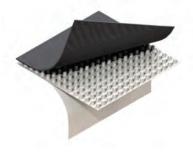
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 184-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 184-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 184-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDIX I UIICIUI E	ASTIT DUZ41	N	1,624	1,512
Transzoidal Toar	ASTM D4533	lbs	60	50
Trapezoidal Tear	A3111 D4333	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow Nate	ASTIT D 111 31	Lpm / m ²	7,130	5,704
CORE				
Compressive Strength	ASTM D6364	psf	18,000	-
Compressive strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTTI BOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	48	13	190
	6 x 50	66	118	310

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 186-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 186-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 186-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Crob Topollo Ctronath	ASTM D4632	lbs	195	160
Grab Tensile Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUIICIUIE	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezoluai Teal	ASTIT 04000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water riow Nate	ASTIT D4431	Lpm / m ²	6,315	4,482
CORE				
Compressive Strength	ASTM D6364	psf	18,000	-
compressive strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
THERHESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	46		090
	6 x 50	51	132	200

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

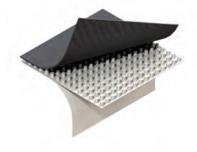
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 188-B







PRODUCT OVERVIEW

SITEDRAIN Sheet 188-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 188-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	ASTI D403Z	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK PUNCTURE	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezuluai Teai	ASTI D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (AOS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water riow Nate	A3111 D4431	Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	18,000	-
compressive strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
THICKIICOO	AUTIT DUIOU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	54	12	610
	6 x 50	72		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 210 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 210 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 210 Series products provide an economical solution for single-sided subsurface drainage applications requiring extremely high strength and moderate flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	213	214	214-T	216	216-W	218
GEOTEXTILE								
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
Grab Tensile Strength	ASTM D4632	lbs	100	135	150	195	430 x 240	245
oran rensile strength	A3111 D4032	N	445	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CBR Puncture	ASTM D6241	lbs	305	365	295	505	800	580
CDK FUIICIUI E	A3111 D0241	N	1,356	1,624	1,312	2,246	3,560	2,580
Trapezoidal Tear	ASTM D4533	lbs	50	60	70	85	180 x 130	100
rrapezoiuai rear	A3111 D4533	N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	80	70	50	80
Apparent opening Size (AOS)		mm	0.212	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
Water Flow Rate	ASTM D4491	gpm / ft²	165	175	70	155	195	135
water riow kate		Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE								
Compressive Strength	ASTM D6364	psf	21,000	21,000	21,000	21,000	21,000	21,000
compressive strength	ASTM D1621	kPa	1,005	1,005	1,005	1,005	1,005	1,005
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4	0.4	0.4
THOMICOO	AOTTI BOICO	mm	10	10	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21	21	21
		Lpm/m	261	261	261	261	261	261
COMPOSITE								
Roll Size	MEASURED	ft	-	4 x 50	4 x 50	4 x 50	-	4 x 50
Non Oize	HEADONED	10	6 x 50	6 x 50				

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 213 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 213 is an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
orab rensile strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDK FUIICIUIE	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
ттарегонат теат	A3111 D4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Annoront Opening City (AOC) 3	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water flow rate		Lpm / m ²	6,724	6,112
CORE				
Compressive Strongth	ASTM D6364	psf	21,000	18,900
Compressive Strength	ASTM D1621	kPa	1,005	905
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	7,0111 0 1710	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
ATTAINABLE NON OILES	4 x 50	49		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 214 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 214 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	ASTI1 00241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai reai	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AoS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
Water Flow Nate		Lpm / m ²	7,130	5,704
CORE				
Compressive Strength	ASTM D6364	psf	21,000	-
compressive attempti	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THOMESS	AUTIT BUILD	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (Ibs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	50		-
	6 x 50	70		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 214-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 214-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 214-T is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	150	130
orab rensile strength	A5111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CBR Pulicture	ASTP1 D0241	N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
rrapezoidai rear	A5111 D4000	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
Apparent opening size (AOS)		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
Water Flow Rate		Lpm / m ²	2,850	2,444
CORE				
Compressive Strength	ASTM D6364	psf	21,000	-
compressive strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	50		-
	6 x 50	70		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 216 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 216 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBR Puncture	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezuluai rear	A3111 U4333	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
Water Flow Rate		Lpm / m ²	6,315	4,482
CORE				
Compressive Strangth	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AUTT DUIOU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	
Available Roll Sizes	4 x 50	53	165	30
	6 x 50	73		

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 216-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 216-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 216-W is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Crah Tanaila Ctranath	ACTM D/CZO	lbs	430 x 240	365 x 200
Grab Tensile Strength	ASTM D4632	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CDD Dt	ACTM DCQ/1	lbs	800	675
CBR Puncture	ASTM D6241	N	3,560	3,004
Transacidal Taar	ACTM D/EZZ	lbs	180 x 130	115 x 75
Trapezoidal Tear	ASTM D4533	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
A	ASTM D4751	sieve	50	40
Apparent Opening Size (AOS) ³		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft²	195	145
water flow kate		Lpm / m ²	7,944	5,907
CORE				
0	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	סו/דע וווטא	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Noil 01263	6 x 50	79	143	60

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

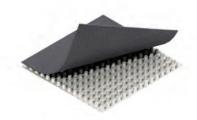
² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 218 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 218 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
oran rensue strength	ASTPI D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Pulicture	ASTI1 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
rrapezoidai rear	A5111 D4555	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (AOS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate		Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	21,000	-
compressive strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTT DOIGO	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE		I		
	Dimensions (ft)	Weight (lbs)		em Code
Available Roll Sizes	4 x 50	56	14:	990
	6 x 50	76		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 210-B SERIES



PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 210-B Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 210-B Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	213-B	214-B	216-B	216-WB	218-B
GEOTEXTILE						1	1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	-	1
Cook Tourille Otherwalk	ACTM D/070	lbs	100	135	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	60	30 x 15	60
CDD D	ACTM DCC/1	lbs	305	365	505	800	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	3,560	2,580
Tues and ideal Tees	ACTM D/F77	lbs	50	60	85	180 x 130	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	90	70
Apparent Opening City (AOC) 3	ASTM D4751	sieve	70	70	70	50	80
Apparent Opening Size (AOS) ³	A51M D4/51	mm	0.212	0.212	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	2.7	1.8
Water Flow Rate	ASTM D4491	gpm / ft²	165	175	155	195	135
water flow Rate	A3111 D4491	Lpm / m ²	6,724	7,130	6,315	7,944	5,501
CORE							
Compressive Strength	ASTM D6364	psf	21,000	21,000	21,000	21,000	21,000
compressive strength	ASTM D1621	kPa	1,005	1,005	1,005	1,005	1,005
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4	0.4
THICKIESS	A0111 00100	mm	10	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21	21
		Lpm/m	261	261	261	261	261
COMPOSITE						I	
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	-	4 x 50
NUII 0126	HEAGUNED	It	-	6 x 50	6 x 50	6 x 50	6 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

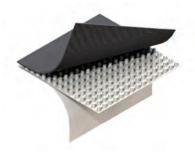
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 213-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 213-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 213-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and additional protection for softer waterproofing membranes.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
orab rensile strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDR FullClure	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezuluai reai	A3111 D4555	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Cine (AOC) 3	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft ²	165	150
water flow kate		Lpm / m ²	6,724	6,112
CORE				
C	ASTM D6364	psf	21,000	18,900
Compressive Strength	ASTM D1621	kPa	1,005	905
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DS188	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	AUTI DINO	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
THE STATE OF THE S	4 x 50	50		-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

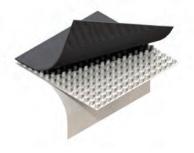
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 214-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 214-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 214-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDN Fullcture	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
ттарегонат теат	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow hate		Lpm / m ²	7,130	5,704
CORE				
Compressive Strength	ASTM D6364	psf	21,000	-
compressive strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE		ı		
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	51		-
	6 x 50	71		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

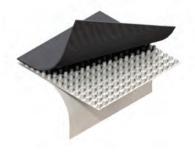
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 216-WB

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 216-WB geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 216-WB is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Crob Tonoile Ctronath	ACTM D/CZO	lbs	430 x 240	365 x 200
Grab Tensile Strength	ASTM D4632	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CDD Dt	ACTM DCQ/1	lbs	800	675
CBR Puncture	ASTM D6241	N	3,560	3,004
Turners' del Tren	40TM D/F77	lbs	180 x 130	115 x 75
Trapezoidal Tear	ASTM D4533	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
A	ASTM D4751	sieve	50	40
Apparent Opening Size (AOS) ³		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flour Date	ASTM D4491	gpm / ft²	195	145
Water Flow Rate		Lpm / m ²	7,944	5,907
CORE				
0	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTI DJIJJ	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	טו/דע וווטא	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
aabio itali di200	6 x 50	80	163	90

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

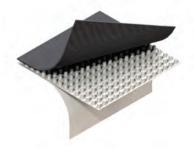
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 216-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 216-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 216-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDN PUNCTURE	A3111 D0241	N	2,246	1,824
Transpaidal Toor	ASTM D4533	lbs	85	60
Trapezoidal Tear	ASTI1 04000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Circ (ACC) 3	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow kate		Lpm / m ²	6,315	4,482
CORE				
Compressive Strength	ASTM D6364	psf	21,000	-
compressive strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKNESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	7,6717 5 7710	Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD It	em Code
Available Roll Sizes	4 x 50	54		-
	6 x 50	74		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

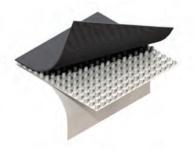
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 218-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 218-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.SITEDRAIN Sheet 218-B is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
Grab Tensile Strength	A5111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Pulicture	ASTP1 U0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
rrapezoidai rear	A5111 D4555	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (AUS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate		Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	21,000	-
compressive strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50	57		-
	6 x 50	77		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 300 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 300 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 300 Series products provide an economical solution for single-sided subsurface drainage applications requiring very high strength and moderate flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	303	304	304-T	306	306-W	308
GEOTEXTILE				1			1	
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
0 1 7 11 01 11	40TM D / 070	lbs	100	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	445	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CDD D t	AOTM D00/1	lbs	305	365	295	505	800	580
CBR Puncture	ASTM D6241	N	1,356	1,624	1,312	2,246	3,560	2,580
Tananasi dal Tana	AOTM D/ F77	lbs	50	60	70	85	180 x 130	100
Trapezoidal Tear	ASTM D4533	N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
1 2 1 2 1 2 1 2 1 2 2 7	ASTM D4751	sieve	70	70	80	70	50	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
Water Flam Date	ASTM D4491	gpm / ft²	165	175	70	155	195	135
Water Flow Rate		Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE								
0	ASTM D6364	psf	30,000	30,000	30,000	30,000	30,000	30,000
Compressive Strength	ASTM D1621	kPa	1,436	1,436	1,436	1,436	1,436	1,436
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25	0.25	0.25
THICKNESS	ASTRI DIES	mm	6.35	6.35	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	13	13	13	13	13
III I IUIIC I IOW I\UUC	חודם וווסא	Lpm/m	161	161	161	161	161	161
COMPOSITE								
Roll Size	MEASURED	ft	4 x 50	4 x 50				

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 303 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 303 is an economical solution for single-sided subsurface drainage applications requiring very high strength and moderate flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
orab rensile strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ACTM DC2//1	lbs	305	210
CBK Pulicture	ASTM D6241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
rrapezuluai rear	A3111 D4555	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening Size (AOS)		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	AOTM D / / 01	gpm / ft²	165	150
Water Flow Nate	ASTM D4491	Lpm / m ²	6,724	6,112
CORE				
Compressive Strongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	סותדם וווטא	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
Available I\UII 01263	4 x 50	50 10150		50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 304 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 304 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	3	3			
Grab Tensile Strength	ASTM D4632	lbs	135	120			
orab relisile strellytti	A3111 D4032	N	601	534			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	365	340			
CBR Puncture	A3111 D0241	N	1,624	1,512			
Trapezoidal Tear	ASTM D4533	lbs	60	50			
ттарегинат теат	A3111 D4000	N	267	222			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70			
Apparent opening Size (AUS)		mm	0.212	0.212			
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7			
Water Flow Rate	ASTM D4491	gpm / ft²	175	140			
Water Flow Rate	A3111 D4431	Lpm / m ²	7,130	5,704			
CORE							
Compressive Strongth	ASTM D6364	psf	30,000	-			
Compressive Strength	ASTM D1621	kPa	1,436	-			
Thickness	ASTM D5199	in	0.25	-			
HIICKHESS	ASTIT DSISS	mm	6.35	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-			
	7,0111 0 1710	Lpm/m	161	-			
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code			
Available Noil Olecs	4 x 50	51	10	160			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 304-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 304-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 304-T is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	150	130
orab rensile strength	A3111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDN FullClure	A3111 D0241	N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
Trapezolual Teal	A3111 D4333	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
Apparent opening size (AOS)		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
water riow itale	ASTIT D4451	Lpm / m ²	2,850	2,444
CORE				
Compressive Strength	ASTM D6364	psf	30,000	-
compressive strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	AOTTI DOIGO	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	7,0111,01710	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
ATTAINABILE HOIL OILEG	4 x 50	51	102	200

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 306 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 306 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	2	2			
Grab Tensile Strength	ASTM D4632	lbs	195	160			
orab relisile strellytti	A3111 D4032	N	867	712			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	505	410			
CBR Puncture	A3111 D0241	N	2,246	1,824			
Trapezoidal Tear	ASTM D4533	lbs	85	60			
ттарегинат теат	A3111 D4000	N	378	267			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70			
Apparent opening Size (AUS)		mm	0.212	0.212			
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5			
Water Flow Rate	ASTM D4491	gpm / ft²	155	110			
water flow rate	A3111 D4491	Lpm / m ²	6,315	4,482			
CORE							
Compressive Ctrongth	ASTM D6364	psf	30,000	-			
Compressive Strength	ASTM D1621	kPa	1,436	-			
Thickness	ASTM D5199	in	0.25	-			
HIICKHESS	ASTIT DSISS	mm	6.35	-			
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-			
	סוודט וווטה	Lpm/m	161	-			
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code			
Available I\UII UI263	4 x 50	54	10	170			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 306-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 306-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 306-W is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE							
Material ²			PP, WM	PP, WM			
Survivability	AASHTO M288	Class	-	-			
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	365 x 200			
orab rensile strength	A3111 D4032	N	1,914 x 1,068	1,624 x 890			
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10			
CBR Puncture	ASTM D6241	lbs	800	675			
CBR Pulicture	ASTPI 00241	N	3,560	3,004			
Transparidal Toor	ASTM D4533	lbs	180 x 130	115 x 75			
Trapezoidal Tear	A5111 U4000	N	801 x 579	512 x 334			
UV Resistance	ASTM D4355	% / 500 Hrs	90	90			
A	ASTM D4751	sieve	50	40			
Apparent Opening Size (AOS) ³		mm	0.300	0.425			
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1			
Water Flow Rate	ASTM D4491	gpm / ft²	195	145			
water flow kate	ASTRI D4491	Lpm / m ²	7,944	5,907			
CORE							
C	ASTM D6364	psf	30,000	-			
Compressive Strength	ASTM D1621	kPa	1,436	-			
Thickness	ASTM D5199	in	0.25	-			
HIICKHESS	ASTRI DSISS	mm	6.35	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-			
	AUTTUTTO	Lpm/m	161	-			
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code			
Available Noil 01260	4 x 50	52	101	90			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 308 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 308 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	1	1			
Grab Tensile Strength	ASTM D4632	lbs	245	205			
orab rensile strength	A3111 D4032	N	1,090	912			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	580	535			
CDK FUIICIUIE	A3111 D0241	N	2,580	2,380			
Transzaidal Taar	ASTM D4533	lbs	100	80			
Trapezoidal Tear	A3111 D4000	N	445	356			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening Size (AOS) 3	ASTM D4751	sieve	80	80			
Apparent Opening Size (AOS) ³		mm	0.180	0.180			
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4			
Water Flow Rate	ASTM D4491	gpm / ft²	135	100			
Water Flow Rate	ASTI D4491	Lpm / m ²	5,501	4,074			
CORE							
Compressive Strangth	ASTM D6364	psf	30,000	-			
Compressive Strength	ASTM D1621	kPa	1,436	-			
Thickness	ASTM D5199	in	0.25	-			
THICKHESS	AOTTI DOIGO	mm	6.35	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-			
		Lpm/m	161	-			
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code			
Shabib Non Olebo	4 x 50	57	101	180			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

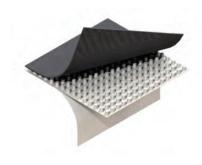
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 300-B SERIES



PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 300-B Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SITEDRAIN Sheet 300-B Series products provide an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	303-B	304- B	306-B	308-B
GEOTEXTILE						1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
O . I. T 'I. O II.	AOTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD D t	ACTM DCQ/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
T	40TM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flam Data	10TH D / / 01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						'
0	ASTM D6364	psf	30,000	30,000	30,000	30,000
Compressive Strength	ASTM D1621	kPa	1,436	1,436	1,436	1,436
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25
THICKHESS	בפוכח וזו ופא	mm	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	13	13	13
III I Ialie I IUW I\ale	ASTIT D4/10	Lpm/m	161	161	161	161
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 303-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 303-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 303-B is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and additional protection for softer waterproofing membranes.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	-	-		
Grab Tensile Strength	ASTM D4632	lbs	100	80		
orab relisile strellytti	A3111 D4032	N	445	356		
Grab Elongation	ASTM D4632	%	70	50		
CBR Puncture	ASTM D6241	lbs	305	210		
CBR Puncture	A3111 D0241	N	1,356	934		
Trapezoidal Tear	ASTM D4533	lbs	50	30		
ттарегонат теат	A3111 D4000	N	222	133		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50		
Apparent opening Size (AUS)		mm	0.212	0.300		
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2		
Water Flow Rate	ASTM D4491	gpm / ft²	165	150		
water flow rate	A3111 D4431	Lpm / m ²	6,724	6,112		
CORE						
Compressive Strongth	ASTM D6364	psf	30,000	-		
Compressive Strength	ASTM D1621	kPa	1,436	-		
Thickness	ASTM D5199	in	0.25	-		
HIICKHESS	ASTIT DSISS	mm	6.35	-		
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-		
	7,0111 0 1710	Lpm/m	161	-		
COMPOSITE						
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code		
Available Noil 01263	4 x 50	51		-		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 304-B

AVD AMEDICAN WICK DRAIN

PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 304-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 304-B is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE			1	
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Crab Tanaila Ctranath	ACTM D/C70	lbs	135	120
Grab Tensile Strength	ASTM D4632	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ACTM DCO/1	lbs	365	340
CBK Puncture	ASTM D6241	N	1,624	1,512
Tananai dal Tana	AOTM D/F77	lbs	60	50
Trapezoidal Tear	ASTM D4533	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	10TH D//01	gpm / ft²	175	140
water Flow Rate	ASTM D4491	Lpm / m ²	7,130	5,704
CORE				
O	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DOISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
	AOTTI D II IO	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD It	em Code
Available I/OII 91269	4 x 50	52		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

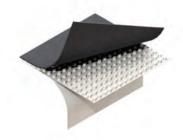
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 306-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 306-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.SITEDRAIN Sheet 306-B is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab relisile strellytti	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUNCTURE	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
тгарегонат теаг	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow rate	A3111 D4431	Lpm / m ²	6,315	4,482
CORE				
Compressive Ctrongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	טוודט וווטת	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available NUII 01263	4 x 50	55		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 308-B

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 308-B geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. SITEDRAIN Sheet 308-B is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Crah Tanaila Ctranath	ASTM D4632	lbs	245	205
Grab Tensile Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CDD Dunatura	ACTM DCQ/1	lbs	580	535
CBR Puncture	ASTM D6241	N	2,580	2,380
Tidal T	40TM D/F77	lbs	100	80
Trapezoidal Tear	ASTM D4533	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A + O i Ci (AOC) 3	ASTM D4751	sieve	80	80
Apparent Opening Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	AOTM D//O1	gpm / ft²	135	100
water riow kate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
0	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTRI DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	טוודט וווטה	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I/Oil 01269	4 x 50	58		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 330 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 330 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 330 Series products provide an economical solution for single-sided subsurface drainage applications requiring very high strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	334	334-T	336	336-W	338
GEOTEXTILE							
Material ²			PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	3	3	2	-	1
0 1 7 11 01 11	1074 0 / 070	lbs	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	60	50	60	30 x 15	60
000 0	AOTH D00/1	lbs	365	295	505	800	580
CBR Puncture	ASTM D6241	N	1,624	1,312	2,246	3,560	2,580
TT	10TM D / E 7 7	lbs	60	70	85	180 x 130	100
Trapezoidal Tear	ASTM D4533	N	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	90	70
1 0 1 0 100	ASTM D4751	sieve	70	80	70	50	80
Apparent Opening Size (AOS) ³		mm	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.0	2.1	2.7	1.8
W . E . D .	ASTM D4491	gpm / ft²	175	70	155	195	135
Water Flow Rate		Lpm / m ²	7,130	2,850	6,315	7,944	5,501
CORE					'		
	ASTM D6364	psf	33,000	33,000	33,000	33,000	33,000
Compressive Strength	ASTM D1621	kPa	1,676	1,676	1,676	1,676	1,676
Thiskness	ACTM DE100	in	0.4	0.4	0.4	0.4	0.4
Thickness	ASTM D5199	mm	10	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	18	18	18	18
III-I Iane Flow Nate	ASTIT D4/10	Lpm/m	223	223	223	223	223
COMPOSITE							
Roll Size	MEASURED	ft	6 x 50	6 x 50	6 x 50	6 x 50	6 x 50
	TIETOOTED		8 x 50	8 x 50	8 x 50	8 x 50	8 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 334 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 334 is an economical solution for single-sided subsurface drainage applications requiring very high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai reai	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
Water Flow Nate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
C	ASTM D6364	psf	33,000	-
Compressive Strength	ASTM D1621	kPa	1,676	-
Thickness	ASTM D5199	in	0.4	-
HIIICKIIESS	ASTIT DS188	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
	7,0111 5 1710	Lpm/m	223	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs) ⁵	AWD Ite	em Code
Available Roll Sizes	6 x 50	83		-
	8 x 50	111		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Approximate packaged roll weight.

SITEDRAIN™ SHEET 334-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 334-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 334-T is an economical solution for single-sided subsurface drainage applications requiring very high strength, high flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Cook Tonella Channath	ACTM D/070	lbs	150	130
Grab Tensile Strength	ASTM D4632	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CBK Puncture	A51M D024I	N	1,312	1,228
Transpeidal Tear	ACTM D/EZZ	lbs	70	60
Trapezoidal Tear	ASTM D4533	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening City (AOC)3	ASTM D4751	sieve	80	60
Apparent Opening Size (AOS) ³		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ACTM D././01	gpm / ft²	70	60
water flow kate	ASTM D4491	Lpm / m ²	2,850	2,444
CORE				
O	ASTM D6364	psf	33,000	-
Compressive Strength	ASTM D1621	kPa	1,676	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	223	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs) ⁵	AWD Ite	m Code
Available Roll Sizes	6 x 50	88	-	
	8 x 50	111	-	

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Approximate packaged roll weight.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 336 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 336 is an economical solution for single-sided subsurface drainage applications requiring very high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDN Fullcture	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezulual Teal	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (Aos)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow rate		Lpm / m ²	6,315	4,482
CORE				
O	ASTM D6364	psf	33,000	-
Compressive Strength	ASTM D1621	kPa	1,676	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	-
		Lpm/m	223	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs) ⁵	AWD Ite	em Code
Available Roll Sizes	6 x 50	86		-
	8 x 50	115		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Approximate packaged roll weight.

SITEDRAIN™ SHEET 336-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 336-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 336-W is an economical solution for single-sided subsurface drainage applications requiring very high strength, high flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	365 x 200
orab rensile strength	A3111 D4032	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CBR Puncture	ASTM D6241	lbs	800	675
CDK FUIICIUIE	A3111 D0241	N	3,560	3,004
Trapezoidal Tear	ASTM D4533	lbs	180 x 130	115 x 75
Trapezuluai Teal	A3111 D4000	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	50	40
Apparent opening size (AOS)		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft²	195	145
water flow hate	ASTII D4451	Lpm / m ²	7,944	5,907
CORE				
Compressive Strength	ASTM D6364	psf	33,000	-
compressive strength	ASTM D1621	kPa	1,676	-
Thickness	ASTM D5199	in	0.4	-
THIOMICOS	AOTTI BOTO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	223	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs) ⁵	AWD Item Code	
Available Roll Sizes	6 x 50	92	162	50
	8 x 50	123	-	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Approximate packaged roll weight.

All technical information contained in this document is accurate as of publication. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 338 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 338 is an economical solution for single-sided subsurface drainage applications requiring very high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab Tensile Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	ASTP1 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezuluai Teal	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (Aos)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Nate	ASTIT D4431	Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	33,000	-
compressive strength	ASTM D1621	kPa	1,676	-
Thickness	ASTM D5199	in	0.4	-
THOMICOS	AUTT BUILD	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	223	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs) ⁵		m Code
Available Roll Sizes	6 x 50	88	163	510
	8 x 50	117		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Approximate packaged roll weight.

SITEDRAIN™ SHEET 400 SERIES







PRODUCT OVERVIEW

SITEDRAIN Sheet 400 Series geocomposite sheet drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 400 Series products provide an economical solution for single-sided subsurface drainage applications requiring very high strength and moderate flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	404	404-T	406	406-W	408
GEOTEXTILE							
Material ²			PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	3	3	2	-	1
O. I. T 'I. O II.	AOTM D/070	lbs	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	60	50	60	30 x 15	60
ODD D	AOTM D00/1	lbs	365	295	505	800	580
CBR Puncture	ASTM D6241	N	1,624	1,312	2,246	3,560	2,580
To a chilton	10TM D/F77	lbs	60	70	85	180 x 130	100
Trapezoidal Tear	ASTM D4533	N	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	90	70
A	ASTM D4751	sieve	70	80	70	50	80
Apparent Opening Size (AOS) ³		mm	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.0	2.1	2.7	1.8
W.L. Fl. D.L.	ASTM D4491	gpm / ft ²	175	70	155	195	135
Water Flow Rate		Lpm / m ²	7,130	2,850	6,315	7,944	5,501
CORE						<u>'</u>	
C	ASTM D6364	psf	40,000	40,000	40,000	40,000	40,000
Compressive Strength	ASTM D1621	kPa	1,915	1,915	1,915	1,915	1,915
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25	0.25
THICKHESS	ASTIT DS199	mm	6.35	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	13	13	13	13
III I laile I low Nate	AOTTI DITTIO	Lpm/m	161	161	161	161	161
COMPOSITE							
		_	4 x 50	-	4 x 50	-	4 x 50
Roll Size	MEASURED	ft	6 x 50 8 x 50	6 x 50 8 x 50	6 x 50 8 x 50	6 x 50	6 x 50 8 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 404 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 404 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
Grab Tensile Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ACTM DCQ/1	lbs	365	340
CBK Puncture	ASTM D6241	N	1,624	1,512
Transpaidal Tasy	ACTM D/E77	lbs	60	50
Trapezoidal Tear	ASTM D4533	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flam Data	ACTM D//01	gpm / ft²	175	140
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	5,704
CORE				
0 1 0 1	ASTM D6364	psf	40,000	-
Compressive Strength	ASTM D1621	kPa	1,915	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	REICH LILCH	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	סו/דע וווסק	Lpm/m	161	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Roll Sizes	4 x 50 6 x 50	55 83	-	
	8 x 50	111	-	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 404-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 404-T geocomposite drain is composed of a dimpled polymeric core with a spunbonded geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 404-T is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	150	130
Grab Tensile Strength	A3111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDK FUIICIUIE	ASTPI D0Z41	N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
тарегонан теан	A3111 D4000	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
Apparent opening size (AOS)		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
water flow rate	ASTI D4491	Lpm / m ²	2,850	2,444
CORE				
Compressive Strongth	ASTM D6364	psf	40,000	-
Compressive Strength	ASTM D1621	kPa	1,915	-
Thickness	ASTM D5199	in	0.25	-
THICKIESS	AOTTI DOIGO	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
		Lpm/m	161	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	6 x 50	83		-
	8 x 50	111		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 406 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 406 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	AST 11 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUIICIUIE	ASTI1 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezuluai Teal	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
Water Flow Rate	A3111 D4491	Lpm / m ²	6,315	4,482
CORE				
C	ASTM D6364	psf	40,000	-
Compressive Strength	ASTM D1621	kPa	1,915	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTIT DS188	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	7,0111,517,10	Lpm/m	161	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Item Code	
Available Roll Sizes	4 x 50 6 x 50 8 x 50	57 86 115	- - -	

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

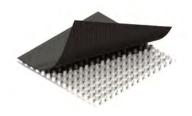
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ SHEET 406-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 406-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 406-W is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	365 x 200
orab Tensile Strength	A5111 D4032	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CBR Puncture	ASTM D6241	lbs	800	675
CDK FUIICIUIE	A3111 D0Z41	N	3,560	3,004
Trapezoidal Tear	ASTM D4533	lbs	180 x 130	115 x 75
Trapezuluai Teal	A3111 D4000	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	50	40
Apparent opening Size (AUS)		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft²	195	145
water flow rate	A3111 D4431	Lpm / m ²	7,944	5,907
CORE				
Compressive Strength	ASTM D6364	psf	40,000	-
compressive strength	ASTM D1621	kPa	1,915	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
	70111 5 1710	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll 01263	6 x 50	92		-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN Sheet 408 geocomposite drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 408 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	A3111 D0Z41	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezuluai Teal	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (AOS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow Nate	A3111 D4431	Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	40,000	-
compressive strength	ASTM D1621	kPa	1,915	-
Thickness	ASTM D5199	in	0.25	-
THICKIESS	AUTTI DOIGO	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
		Lpm/m	161	-
COMPOSITE				
	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll Sizes	4 x 50 6 x 50 8 x 50	59 88 117		- - -

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-60 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-60 Series geocomposite sheet drain products are composed of a dimpled polymeric perforated core with a geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-60 Series products provide an economical solution for double-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	DS-63	DS-64	DS-66	DS-68
GEOTEXTILE						1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
O . I. T 'I. O II.	AOTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD D t	ACTM DCQ/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tues and ideal Tees	ACTM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flam Data	10TH D / / 01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						'
0	ASTM D6364	psf	6,000	6,000	6,000	6,000
Compressive Strength	ASTM D1621	kPa	287	287	287	287
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
HIICKHESS	BEICH LILEY	mm	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	15	15	15
III I IUIIG I IUW I\UIG	סו/דט וווטא	Lpm/m	186	186	186	186
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-63 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-63 is an economical solution for double-sided subsurface drainage applications requiring moderate strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE			1	1
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crob Tonoilo Ctronath	ACTM D/C70	lbs	100	80
Grab Tensile Strength	ASTM D4632	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ACTM DCQ/1	lbs	305	210
CBK Puncture	ASTM D6241	N	1,356	934
Taranasidal Tara	AOTM D/577	lbs	50	30
Trapezoidal Tear	ASTM D4533	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	AOTM D / 751	sieve	70	50
Apparent Opening Size (AOS) ³	ASTM D4751	mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Floor Date	ACTM D//D1	gpm / ft²	165	150
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	6,112
CORE				'
Comments Character	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
	סוידם וווטא	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Null 01263	4 x 50	36		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-64 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-64 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Crab Tanaila Ctranath	ACTM D/C70	lbs	135	120
Grab Tensile Strength	ASTM D4632	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CDD Dunatura	ACTM DCO/1	lbs	365	340
CBR Puncture	ASTM D6241	N	1,624	1,512
Tananai dal Tana	AOTM D/F77	lbs	60	50
Trapezoidal Tear	ASTM D4533	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	AOTM D / 751	sieve	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flam Date	ACTM D//01	gpm / ft²	175	140
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	5,704
CORE				
Carrana di la Charanath	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DOISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
	AOTH DIFFIC	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD It	em Code
Available I(UII UIZE3	4 x 50	38	14	830

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-66 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-66 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Crab Tanaila Ctranath	ACTM D/C70	lbs	195	160
Grab Tensile Strength	ASTM D4632	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ACTM DCO/1	lbs	505	410
CBK Puncture	ASTM D6241	N	2,246	1,824
Turner idel Term	AOTM D/F77	lbs	85	60
Trapezoidal Tear	ASTM D4533	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	AOTM D / 7F1	sieve	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ACTM D//O1	gpm / ft²	155	110
water Flow Rate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				
0	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DS188	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
	7,0111 5 1710	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll 01260	4 x 50	41		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-68 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-68 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
Grab Tensile Strength	A5111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Puncture	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
ттарегонат теат	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AUS)	ASTI1 04/31	mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate	A3111 D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive Ctrongth	ASTM D6364	psf	6,000	-
Compressive Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	15	-
	7,0111 0 1710	Lpm/m	186	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	44		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-90 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-90 Series geocomposite sheet drain products are composed of a dimpled polymeric perforated core with a geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-90 Series products provide an economical solution for double-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	DS-93	DS-94	DS-96	DS-98
GEOTEXTILE						1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
O . I. T 'I. O II.	AOTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD D t	ACTM DCQ/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tues and ideal Tees	ACTM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flam Data	10TH D / / 01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						
0	ASTM D6364	psf	9,000	9,000	9,000	9,000
Compressive Strength	ASTM D1621	kPa	431	431	431	431
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25
THICKNESS	פפוכע ויווכא	mm	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	12	12	12
III I Ialie I IUW I\ale	ASTIT D4/10	Lpm/m	149	149	149	149
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-93 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-93 is an economical solution for double-sided subsurface drainage applications requiring moderate strength and moderate flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crab Tanaila Ctranath	ACTM D/C70	lbs	100	80
Grab Tensile Strength	ASTM D4632	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CDD D	ACTM DCG/1	lbs	305	210
CBR Puncture	ASTM D6241	N	1,356	934
T	AOTM D/F77	lbs	50	30
Trapezoidal Tear	ASTM D4533	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³	A51M U4/51	mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ACTM D//O1	gpm / ft²	165	150
water flow kate	ASTM D4491	Lpm / m ²	6,724	6,112
CORE				
Canada Charach	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DOISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	AOTTI D III IO	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I/Oil 01769	4 x 50	31	101	210

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-94 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-94 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
Grap rensile strength	A5111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBR Pulicture	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
rrapezuluai reai	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)	A3111 D4731	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive Ctrongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKIICSS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	7,0111 0 1710	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil 01263	4 x 50	32	102	220

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-96 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-96 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Crab Tanaila Ctranath	ACTM D/C70	lbs	195	160
Grab Tensile Strength	ASTM D4632	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CDD D	ACTM DCC/1	lbs	505	410
CBR Puncture	ASTM D6241	N	2,246	1,824
Turner idel Term	AOTM D/577	lbs	85	60
Trapezoidal Tear	ASTM D4533	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³	A51M D4/51	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ACTM D//O1	gpm / ft²	155	110
water Flow Rate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				'
Communica Characth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	AUTTI D ITTO	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I/Oil 01269	4 x 50	35	10:	230

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-98 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-98 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab relisile strellytti	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Puncture	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
ттарегонат теат	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AUS)	ASTP1 04/31	mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow rate	A3111 D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive Ctrongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	12	-
	7,0711 0 1710	Lpm/m	149	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil 01263	4 x 50	38	102	240

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] DS-110 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-110 Series geocomposite sheet drain products are composed of a dimpled polymeric perforated core with a geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-110 Series products provide an economical solution for double-sided subsurface drainage applications requiring low strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	DS-113	DS-114	DS-116	DS-118
GEOTEXTILE						1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
O. I. T 'I. O II.	AOTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD D	ACTM DCO/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tuescasidal Taes	ACTM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
W.L. Fl. D.L.	10TH D / / 01	gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						'
0 : 0: 1	ASTM D6364	psf	11,000	11,000	11,000	11,000
Compressive Strength	ASTM D1621	kPa	527	527	527	527
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
11110/111622	ASTIT DOISS	mm	10	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	18	18	18
III I Idiic I IUW Nate	AOTTI D4/10	Lpm/m	224	224	224	224
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] DS-113

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-113 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-113 is an economical solution for double-sided subsurface drainage applications requiring moderate strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crab Tanaila Ctranath	ACTM D/CZO	lbs	100	80
Grab Tensile Strength	ASTM D4632	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDK PUNCTURE	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
Trapezuluai reai	A3111 D4555	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening size (Aos)	ASTI 04751	mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
Water Flow Rate	A3111 D4431	Lpm / m ²	6,724	6,112
CORE				
Compressive Strongth	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	224	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)		em Code
	4 x 50	41	102	263

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-114 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-114 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDN Functure	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai Teai	A3111 D4333	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water riow wate	ASTIT D 111 31	Lpm / m ²	7,130	5,704
CORE				
Compressive Strength	ASTM D6364	psf	11,000	-
compressive strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTTI BOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
		Lpm/m	224	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)		em Code
THE STORY OF	4 x 50	43	10	261

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-116 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-116 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab relisile strellytti	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBR Puncture	ASTP1 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
тарегонат теат	A5111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
Water Flow Rate		Lpm / m ²	6,315	4,482
CORE				
Compressive Ctrongth	ASTM D6364	psf	11,000	-
Compressive Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	-
	7.0711 0 1710	Lpm/m	224 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Roll 01260	4 x 50	46		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] DS-118

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-118 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-118 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDN FullClure	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezolual Teal	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening size (AOS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water riow itale		Lpm / m ²	5,501	4,074
CORE				
Compressive Strength	ASTM D6364	psf	11,000	-
compressive strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	AOTTI DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
	7,0111,01710	Lpm/m	224	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
ATTAINABILE ROIL OLEGO	4 x 50	49	102	264

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-180 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-180 Series geocomposite sheet drain products are composed of a dimpled polymeric perforated core with a geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-180 Series products provide an economical solution for double-sided subsurface drainage applications requiring low strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	DS-183	DS-184	DS-186	DS-188
GEOTEXTILE				1		1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
Cook Tourille Characth	ACTM D/070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
CDD Dunatura	ACTM DC2/1	Ibs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tananasidal Tana	ACTM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flow Rate	40TH D//01	gpm / ft²	165	175	155	135
water flow kate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						
Compressive Strongth	ASTM D6364	psf	18,000	18,000	18,000	18,000
Compressive Strength	ASTM D1621	kPa	862	862	862	862
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
THICKIESS	AOTTI DOIGO	mm	11	11	11	11
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21
		Lpm/m	261	261	261	261
COMPOSITE						
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

 $^{^{1}\,}$ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-183 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-183 is an economical solution for double-sided subsurface drainage applications requiring high strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ACTM D/C70	lbs	100	80
Grab Terisile Strength	ASTM D4632	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CDD Dunatura	ACTM DCQ/1	lbs	305	210
CBR Puncture	ASTM D6241	N	1,356	934
T	ACTM D/577	lbs	50	30
Trapezoidal Tear	ASTM D4533	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flour Date	AOTH DAVO	gpm / ft²	165	150
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	6,112
CORE				
Carrant Charact	ASTM D6364	psf	18,000	-
Compressive Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	AOTH D INTO	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I/Oil 01269	4 x 50	49	102	250

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-184 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-184 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE	GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	3	3			
Grab Tensile Strength	ASTM D4632	lbs	135	120			
orab relisile strellytti	A3111 D4032	N	601	534			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	365	340			
CBR Puncture	A3111 D0241	N	1,624	1,512			
Trapezoidal Tear	ASTM D4533	lbs	60	50			
ттарегинат теат	A3111 D4000	N	267	222			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70			
Apparent opening Size (AUS)		mm	0.212	0.212			
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7			
Water Flow Rate	ASTM D4491	gpm / ft²	175	140			
Water Flow Rate		Lpm / m ²	7,130	5,704			
CORE							
Compressive Ctrongth	ASTM D6364	psf	18,000	-			
Compressive Strength	ASTM D1621	kPa	862	-			
Thickness	ASTM D5199	in	0.4	-			
HIICKHESS	ASTIT DSISS	mm	10	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-			
	7,0111 0 1710	Lpm/m	261 -				
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code			
Available Noil Olecs	4 x 50	50	10:	260			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-186 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-186 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE	GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	2	2			
Grab Tensile Strength	ASTM D4632	lbs	195	160			
orab relisile strellytti	A3111 D4032	N	867	712			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	505	410			
CBR Puncture	A3111 D0241	N	2,246	1,824			
Trapezoidal Tear	ASTM D4533	lbs	85	60			
ттарегонат теат	A3111 D4000	N	378	267			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70			
Apparent opening Size (AUS)		mm	0.212	0.212			
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5			
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110			
water flow rate		Lpm / m ²	6,315	4,482			
CORE							
Compressive Ctrongth	ASTM D6364	psf	18,000	-			
Compressive Strength	ASTM D1621	kPa	862	-			
Thickness	ASTM D5199	in	0.4	-			
HIICKHESS	ASTIT DSISS	mm	10	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-			
	7,0111 0 1710	Lpm/m	261 -				
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code			
Available Noil Olecs	4 x 50	53	102	270			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-188 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-188 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE	GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	1	1			
Grab Tensile Strength	ASTM D4632	lbs	245	205			
orab relisile strellytti	A3111 D4032	N	1,090	912			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	580	535			
CBR Puncture	A3111 D0241	N	2,580	2,380			
Trapezoidal Tear	ASTM D4533	lbs	100	80			
ттарегонат теат	A3111 D4000	N	445	356			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80			
Apparent opening Size (AUS)		mm	0.180	0.180			
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4			
Water Flow Rate	ASTM D4491	gpm / ft²	135	100			
Water Flow Rate		Lpm / m ²	5,501	4,074			
CORE							
Compressive Strongth	ASTM D6364	psf	18,000	-			
Compressive Strength	ASTM D1621	kPa	862	-			
Thickness	ASTM D5199	in	0.4	-			
HIICKHESS	ASTIT DSISS	mm	10	-			
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-			
	7,0111 0 1710	Lpm/m	261 -				
COMPOSITE							
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code			
Available Noil Olecs	4 x 50	56	102	280			

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-210 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-210 Series geocomposite sheet drain products are composed of a dimpled polymeric perforated core with a geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-210 Series products provide an economical solution for double-sided subsurface drainage applications requiring low strength and high flow capacity. Various geotextile options are available to meet project-specific requirements

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	DS-213	DS-214	DS-216	DS-218
GEOTEXTILE				J		J
Material ²			PP, NPNW	PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	3	2	1
0 1 7 1 0 11	AOTH D / 070	lbs	100	135	195	245
Grab Tensile Strength	ASTM D4632	N	445	601	867	1,090
Grab Elongation	ASTM D4632	%	70	60	60	60
ODD D at	ACTM DOG/1	lbs	305	365	505	580
CBR Puncture	ASTM D6241	N	1,356	1,624	2,246	2,580
Tananaidal Tana	ACTM D/F77	lbs	50	60	85	100
Trapezoidal Tear	ASTM D4533	N	222	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	2.1	1.8
Water Flam Data		gpm / ft²	165	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	6,315	5,501
CORE						'
Camananai na Chananath	ASTM D6364	psf	21,000	21,000	21,000	21,000
Compressive Strength	ASTM D1621	kPa	1,005	1,005	1,005	1,005
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4
THICKHESS	ASTIT DS188	mm	11	11	11	11
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21
	7,0111 5 1710	Lpm/m	261	261	261	261
COMPOSITE						1
Roll Size	MEASURED	ft	4 x 50	4 x 50	4 x 50	4 x 50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-213 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-213 is an economical solution for double-sided subsurface drainage applications requiring high strength and high flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Crab Tanaila Ctranath	ASTM D4632	lbs	100	80
Grab Tensile Strength	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CBK Pulicture	A3111 D0241	N	1,356	934
Transpaidal Tasr	ACTM D/EZZ	lbs	50	30
Trapezoidal Tear	ASTM D4533	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening City (ACC) 3	ASTM D4751	sieve	70	50
Apparent Opening Size (AOS) ³		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water flow kate		Lpm / m ²	6,724	6,112
CORE				
C	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
HIICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	סוידם וווטה	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
WANIGNIE I/OII 01762	4 x 50	53		-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-214 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-214 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai Teal	A3111 D4555	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate		Lpm / m ²	7,130	5,704
CORE				
Compressive Strongth	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	AOTT DOIGO	mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	7,0111 5 1710	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
ATTAINABILE HOIL DIZZO	4 x 50	54	162	290

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-216 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-216 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUIICIUIE	ASTI1 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezuluai Teal	A3111 D4333	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow hate		Lpm / m ²	6,315	4,482
CORE				
Compressive Strongth	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DOIGO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	7,011, 5 7,10	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
ATTAINABILE ROIL OLEGO	4 x 50	57		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-218 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-218 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDR FUIICIUIE	ASTI1 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezulual Teal	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Circ (AOC)3	ASTM D4751	sieve	80	80
Apparent Opening Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow kate		Lpm / m ²	5,501	4,074
CORE				
Compressive Strongth	ASTM D6364	psf	21,000	-
Compressive Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DOISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	AUTH D I/TO	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil 01263	4 x 50	60	150	000

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-300 SERIES

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-300 Series geocomposite sheet drain products are composed of a dimpled polymeric perforated core with a geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-300 Series products provide an economical solution for double-sided subsurface drainage applications requiring low strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	DS-303	DS-304	DS-304-T	DS-306	DS-306-W	DS-308
GEOTEXTILE					,			
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
0 T	AOTM D/070	lbs	100	135	150	195	430 x 240	245
Grab Tensile Strength	ASTM D4632	N	445	601	670	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CDD D	ACTM DOO/1	lbs	305	365	315	505	800	580
CBR Puncture	ASTM D6241	N	1,356	1,624	1,380	2,246	3,560	2,580
Tid-l T	ACTM D/F77	lbs	50	60	70	85	180 x 130	100
Trapezoidal Tear	ASTM D4533	N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
A	ASTM D4751	sieve	70	70	70	70	50	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.210	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
W. L Fl. D. L.	40TM P//01	gpm / ft²	165	175	70	155	195	135
Water Flow Rate	ASTM D4491	Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE					,			
0 1 0 1	ASTM D6364	psf	30,000	30,000	30,000	30,000	30,000	30,000
Compressive Strength	ASTM D1621	kPa	1,436	1,436	1,436	1,436	1,436	1,436
Thickness	ASTM D5199	in	0.25	0.25	0.25	0.25	0.25	0.25
THICKHESS	בפוכח וזו פא	mm	6.35	6.35	6.35	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	13	13	13	13	13
III I IGIIE I IUW I\GLE	ASTIT D47TU	Lpm/m	161	161	161	161	161	161
COMPOSITE								
Roll Size	MEASURED	ft	4 x 50	4 x 50				

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-303 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-303 is an economical solution for double-sided subsurface drainage applications requiring very high strength and moderate flow capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	100	80
orab relisile strellytti	A3111 D4032	N	445	356
Grab Elongation	ASTM D4632	%	70	50
CBR Puncture	ASTM D6241	lbs	305	210
CDK FUNCTURE	A3111 D0241	N	1,356	934
Trapezoidal Tear	ASTM D4533	lbs	50	30
ттарегинат теат	A3111 D4000	N	222	133
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	50
Apparent opening Size (AUS)		mm	0.212	0.300
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.2
Water Flow Rate	ASTM D4491	gpm / ft²	165	150
water flow rate		Lpm / m ²	6,724	6,112
CORE				
Compressive Ctrongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
	7,0111 0 1710	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	58	102	290

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-304 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-304 is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
Grab Tensile Strength	A5111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CBR Puncture	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
ттарегинат теат	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
Water Flow Rate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive Ctrongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	7,0111 0 1710	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil Olecs	4 x 50	59	103	300

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

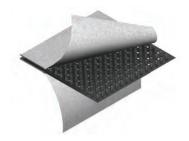
³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-304-T

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-304-T geocomposite drain is composed of a dimpled polymeric perforated core with a spunbonded geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-304-T is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and the performance properties of a spunbonded geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	150	130
Grab Tensile Strength	A3111 D4032	N	670	600
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	315	290
CBR Puncture	A3111 D0241	N	1,380	1,230
Trapezoidal Tear	ASTM D4533	lbs	70	60
ттарегинат теат	A3111 D4000	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	60
Apparent opening Size (AUS)		mm	0.210	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
Water Flow Rate	A3111 D4431	Lpm / m ²	2,850	2,444
CORE				
Compressive Ctrongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
	סוידט וווטא	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I\UII UI263	4 x 50	59	103	340

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-306 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-306 is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab relisile strellytti	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUNCTURE	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
ттарегонат теат	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AUS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow rate	A3111 D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive Ctrongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
	טוודט וווטת	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I\UII UI263	4 x 50	62	10.	310

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ DS-306-W

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-306-W geocomposite drain is composed of a dimpled polymeric perforated core with a woven monofilament geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-306-W is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	365 x 200
Grab Tensile Strength	A5111 D4032	N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CBR Puncture	ACTM DCQ/1	lbs	800	675
CBR Puncture	ASTM D6241	N	3,560	3,004
Transzoidal Toor	ASTM D4533	lbs	180 x 130	115 x 75
Trapezoidal Tear	A3111 D4000	N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	50	40
Apparent opening Size (AUS)		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft²	195	145
Water Flow Rate	A3111 D4491	Lpm / m ²	7,944	5,907
CORE				
Compressive Ctrongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
	7,0711 0 1710	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Noil 01263	4 x 50	60	103	330

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED SHEET DRAIN





PRODUCT OVERVIEW

SITEDRAIN DS-308 geocomposite drain is composed of a dimpled polymeric perforated core with a nonwoven geotextile bonded to both sides. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from both sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN DS-308 is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab relisile strellytti	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Puncture	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
ттарегонат теат	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AUS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate	A3111 D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive Strongth	ASTM D6364	psf	30,000	-
Compressive Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DSISS	mm	6.35	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	13	-
	סוודט וווטה	Lpm/m	161	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available I\UII UI263	4 x 50	65	103	320

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ STRIP 6000 SERIES







PRODUCT OVERVIEW

SITEDRAIN Strip 6000 Series geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 6000 Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring moderate strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	6400	6400-T	6600	6800	
GEOTEXTILE	GEOTEXTILE						
Material ²			PP, NPNW	PP, SBNW	PP, NPNW	PP, NPNW	
Survivability	AASHTO M288	Class	3	3	2	1	
Crab Tanaila Strangth	ACTM D/ C70	lbs	135	150	195	245	
Grab Tensile Strength	ASTM D4632	N	601	667	867	1,090	
Grab Elongation	ASTM D4632	%	60	50	60	60	
CBR Puncture	ASTM D6241	lbs	365	295	505	580	
CDK FUIICIUIE	A3111 D0241	N	1,624	1,312	2,246	2,580	
Transpaidal Toor	ACTM D/E77	lbs	60	70	85	100	
Trapezoidal Tear	ASTM D4533	N	267	310	378	445	
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	
A + O i Oi (AOO) 3	ASTM D4751	sieve	70	80	70	80	
Apparent Opening Size (AOS) ³		mm	0.212	0.180	0.212	0.180	
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.0	2.1	1.8	
Water Flam Data	ACTM D//01	gpm / ft ²	175	70	155	135	
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	2,850	6,315	5,501	
CORE							
Compressive Ctronath	ASTM D6364	psf	6,000	6,000	6,000	6,000	
Compressive Strength	ASTM D1621	kPa	287	287	287	287	
Thickness	ASTM D5199	in	1.0	1.0	1.0	1.0	
HILLINGSS	ASTIT DJIGG	mm	25.4	25.4	25.4	25.4	
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21	
III I IUIIC I IUW I\UE	טו/דע וווטא	Lpm/m	261	261	261	261	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 6400







PRODUCT OVERVIEW

SITEDRAIN Strip 6400 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 6400 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDN FullClufe	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai Teal	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) ³	ASTR D4751	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow Nate	ASTIT D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	1.0	-
· · · · · · · · · · · · · · · · · · ·	A0111 D0100	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
6406	6"	150′	23 lbs	10400
6412	12"	150′	44 lbs	10410
6412	12"	500′	150 lbs	11340
6418	18"	150′	69 lbs	10420
6418	18"	500′	230 lbs	11350
6424	24"	150′	87 lbs	10430
6424	24"	500′	290 lbs	11170
6436	36″	100′	87 lbs	10440

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 6400-T

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN Strip 6400-T geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a spunbonded geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 6400-T products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				1
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	150	130
Strength	A3111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDN Fullcture	A3111 D0241	N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
Trapezoluai Teal	A3111 D4333	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	60
Size (AOS) 3		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft ²	70	60
water flow hate	ASTIT D4431	Lpm / m ²	2,850	2,444
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	1.0	-
THOMICOS	A0111 D0100	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
6406-T	6"	150′	23 lbs	16040
6412-T	12"	150′	45 lbs	13250
6418-T	18"	150′	69 lbs	14970
6424-T	24"	150′	87 lbs	-
6436-T	36″	100′	87 lbs	14040

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 6600







PRODUCT OVERVIEW

SITEDRAIN Strip 6600 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 6600 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDN Fullcture	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezuluai Teal	A3111 D4555	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water Flow Rate		Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	1.0	-
HIICKIICOO	ASTIT DUISS	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
rane i low nate	70111 0 1710	Lpm/m	261	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
6606	6"	150′	27 lbs	10450
6612	12"	150′	51 lbs	10460
6612	12"	500′	170 lbs	11190
6618	18"	150′	72 lbs	10470
6618	18"	500′	240 lbs	11200
6624	24"	150′	94 lbs	10480
6624	24"	500′	313 lbs	11210
6636	36″	100′	94 lbs	10490

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 6800







PRODUCT OVERVIEW

SITEDRAIN Strip 6800 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 6800 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	A3111 D0241	N	2,580	1,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezuluai Teal	A3111 D4555	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) ³	ASTP1 D4751	mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water riow hate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	1.0	-
THICKIICSS	A0111 D0100	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
6806	6"	150′	31 lbs	10500
6812	12"	150′	57 lbs	10510
6812	12"	500′	190 lbs	12080
6818	18"	150′	75 lbs	10520
6824	24"	150′	101 lbs	10530
6836	36"	100′	101 lbs	10540

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 9000 SERIES







PRODUCT OVERVIEW

SITEDRAIN Strip 9000 Series geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 9000 Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	9400	9400-T	9600	9800
GEOTEXTILE						
Material ²			PP, NPNW	PP, SBNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3	2	1
Cook Tourille Channelle	ACTM D/070	lbs	135	150	195	245
Grab Tensile Strength	ASTM D4632	N	601	667	867	1,090
Grab Elongation	ASTM D4632	%	60	50	60	60
CBR Puncture	ASTM D6241	lbs	365	295	505	580
CBK Puncture	ASTM D0241	N	1,624	1,312	2,246	2,580
Tuescasidal Tana	ACTM D/ F77	lbs	60	70	85	100
Trapezoidal Tear	ASTM D4533	N	267	310	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
A	ASTM D4751	sieve	70	80	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.180	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.0	2.1	1.8
Water Flam Data	AOTM D//01	gpm / ft²	175	70	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	2,850	6,315	5,501
CORE						
0	ASTM D6364	psf	9,500	9,500	9,500	9,500
Compressive Strength	ASTM D1621	kPa	455	455	455	455
Thickness	ASTM D5199	in	1.0	1.0	1.0	1.0
THICKHESS	בפוכח ויו ופא	mm	25.4	25.4	25.4	25.4
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21	21
III I Idiic I IUW I\dle	ASTIT D4/10	Lpm/m	261	261	261	261

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 9400

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN Strip 9400 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 9400 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDN FullClufe	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai Teal	ASTM 04555	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water Flow Rate		Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	9,500	-
Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
HIICKIICOO	ASTIT DUIST	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
rane i low nate	70111 0 1710	Lpm/m	261	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
9406	6"	150′	26 lbs	10600
9412	12"	150′	48 lbs	10610
9412	12"	500′	160 lbs	11270
9418	18"	150′	72 lbs	10620
9418	18"	500′	240 lbs	11280
9424	24"	150′	90 lbs	10630
9424	24"	500′	300 lbs	11290
9436	36″	100′	90 lbs	10640

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 9400-T

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN Strip 9400-T geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a spunbonded geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 9400-T products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	150	130
Strength	A3111 D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDN FUIICIUIE	A3111 D0241	N	1,312	1,228
Transpaidal Toor	ASTM D4533	lbs	70	60
Trapezoidal Tear		N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	60
Size (AOS) 3		mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
water flow kate		Lpm / m ²	2,850	2,444
CORE				
Compressive	ASTM D6364	psf	9,500	-
Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
THIOMICOS	A0111 00100	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
9406-T	6"	150′	26 lbs	10750
9412-T	12"	150′	48 lbs	10760
9412-T	12"	500′	160 lbs	14490
9418-T	18"	150′	72 lbs	10770
9424-T	24"	150′	90 lbs	10780
9436-T	36"	100′	90 lbs	10790

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 9600







PRODUCT OVERVIEW

SITEDRAIN Strip 9600 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 9600 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDN FullClufe	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezoluai Teal	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110
water riow rate		Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	9,500	-
Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
111101111033	ASTIT DSISS	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
idilo i idii ildi	7,0111 5 1710	Lpm/m	261	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
9606	6"	150′	30 lbs	10650
9612	12"	150′	54 lbs	10660
9612	12"	500′	180 lbs	11310
9618	18"	150′	75 lbs	10670
9618	18"	500′	250 lbs	11320
9624	24"	150′	97 lbs	10680
9624	24"	500′	323 lbs	11330
9636	36″	100′	97 lbs	10690

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ STRIP 9800







PRODUCT OVERVIEW

SITEDRAIN Strip 9800 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 9800 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	1	1			
Grab Tensile	ASTM D4632	lbs	245	205			
Strength	A3111 D4032	N	1,090	912			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	580	535			
CDR FullClure	A3111 D0241	N	2,580	2,380			
Trapezoidal Tear	ASTM D4533	lbs	100	80			
Trapezolual Teal	A3111 D4000	N	445	356			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening	ASTM D4751	sieve	80	80			
Size (AOS) 3		mm	0.180	0.180			
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4			
Water Flow Rate	ASTM D4491	gpm / ft ²	135	100			
water flow Rate		Lpm / m ²	5,501	4,074			
CORE							
Compressive	ASTM D6364	psf	9,500	-			
Strength	ASTM D1621	kPa	455	-			
Thickness	ASTM D5199	in	1.0	-			
HIICKHESS	ASTIT DUISS	mm	25.4	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-			
dilo i ion nato	7,0111 5 1710	Lpm/m	261	-			

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
9806	6"	150′	34 lbs	10700
9812	12"	150′	60 lbs	10710
9812	12"	500′	200 lbs	14390
9818	18"	150′	78 lbs	10720
9824	24"	150′	104 lbs	10730
9836	36″	100′	104 lbs	10740

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ C-60 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-60 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-60 Series products provide an economical solution for double-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	C-64	C-66	C-68
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBR Pulicture	A5111 D0241	N	1,624	2,246	2,580
Transpaidal Tass	ASTM D4533	Ibs	60	85	100
Trapezoidal Tear	ASTRI D4555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Date	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	6,000	6,000	6,000
compressive strength	ASTM D1621	kPa	287	287	287
Thickness	ASTM D5199	in	0.4	0.4	0.4
THICKITCSS	AOTTI DOIGO	mm	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	15	15
	AOTTI D 1710	Lpm/m	186	186	186
COMPOSITE					
Dell Cine	MEACHDED	in v 64	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-64 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-64 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV			
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW			
Survivability	AASHTO M288	Class	3	3			
Grab Tensile	ASTM D4632	lbs	135	120			
Strength	A3111 D4032	N	601	534			
Grab Elongation	ASTM D4632	%	60	50			
CBR Puncture	ASTM D6241	lbs	365	340			
CDN FullClufe	A3111 D0241	N	1,624	1,512			
Trapezoidal Tear	ASTM D4533	lbs	60	50			
Trapezoluai Teal	A3111 D4333	N	267	222			
UV Resistance	ASTM D4355	% / 500 Hrs	70	70			
Apparent Opening	ASTM D4751	sieve	70	70			
Size (AOS) 3		mm	0.212	0.212			
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7			
Water Flow Rate	ASTM D4491	gpm / ft ²	175	140			
water flow rate		Lpm / m ²	7,130	5,704			
CORE							
Compressive	ASTM D6364	psf	6,000	-			
Strength	ASTM D1621	kPa	287	-			
Thickness	ASTM D5199	in	0.4	-			
111101111033	MOTIT DOIGO	mm	10	-			
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-			
Idilo Fion ildio	7,0111 5 1710	Lpm/m	186	-			

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-64-12	12 in	100 ft	26 lbs	-
C-64-18	18 in	100 ft	34 lbs	-
C-64-24	24 in	100 ft	45 lbs	14820

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-66 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-66 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDN Fullcture	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezoluai Teal	A3111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow Rate		Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THOMICOS	A0111 D0100	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
		Lpm/m	186	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-66-12	12 in	100 ft	31 lbs	-
C-66-18	18 in	100 ft	39 lbs	-
C-66-24	24 in	100 ft	55 lbs	-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-68 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-68 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
ттарегонан теан	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow rate		Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THOMICOS	A0111 D0100	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
		Lpm/m	186	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-68-12	12 in	100 ft	36 lbs	-
C-68-18	18 in	100 ft	45 lbs	-
C-68-24	24 in	100 ft	60 lbs	-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ C-90 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-90 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-90 Series products provide an economical solution for double-sided subsurface drainage applications requiring moderate strength and moderate flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	C-94	C-96	C-98
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBR Pulicture	A5111 D0241	N	1,624	2,246	2,580
Transpaidal Tass	ASTM D4533	lbs	60	85	100
Trapezoidal Tear	ASTRI D4555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Date	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	9,000	9,000	9,000
compressive strength	ASTM D1621	kPa	431	431	431
Thickness	ASTM D5199	in	0.25	0.25	0.25
THICKHESS	ASTIT DS183	mm	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	12	12
III Fidile Flow Nate		Lpm/m	149	149	149
COMPOSITE					
Dall Cia	MEAGURER	in . ()	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-94 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-94 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezolual Teal	A3111 D4553	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft ²	175	140
water flow Rate		Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	9,000	-
Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKIICOS	AUTTI DUIOU	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
dilo i lon nato	7,0111,01110	Lpm/m	149	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-94-12	12 in	100 ft	20 lbs	10860
C-94-18	18 in	100 ft	29 lbs	14930
C-94-24	24 in	100 ft	36 lbs	10940

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-96 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-96 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBK Pulicture	ASTR D0241	N	2,246	1,824
Transpaidal Tass	ASTM D4533	lbs	85	60
Trapezoidal Tear		N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	AOTH D / / 01	gpm / ft²	155	110
water Flow Rate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	9,000	-
Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKHESS	AUTTI DUIUU	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
rane riow nate	AOTTI D I/TO	Lpm/m	149	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-96-12	12 in	100 ft	25 lbs	10870
C-96-18	18 in	100 ft	35 lbs	-
C-96-24	24 in	100 ft	46 lbs	10950

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-98 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-98 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	A3111 D0241	N	2,580	2,380
Transpaidal Tasr	ASTM D4533	lbs	100	80
Trapezoidal Tear		N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft ²	135	100
water riow hate	A3111 D4431	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	9,000	-
Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.25	-
THICKNICOS	A0111 D0100	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-
		Lpm/m	149	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-98-12	12 in	100 ft	27 lbs	10880
C-98-18	18 in	100 ft	41 lbs	-
C-98-24	24 in	100 ft	51 lbs	10960

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ C-110 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-110 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-110 Series products provide an economical solution for double-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	C-114	C-116	C-118
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBR Pulicture	A5111 D0241	N	1,624	2,246	2,580
Transpaidal Tass	ASTM D4533	Ibs	60	85	100
Trapezoidal Tear	ASTM 04555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	11,000	11,000	11,000
compressive strength	ASTM D1621	kPa	527	527	527
Thickness	ASTM D5199	in	0.4	0.4	0.4
THICKIICSS	AOTTI DOIGO	mm	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	18	18
	ACTITUTIO	Lpm/m	224	224	224
COMPOSITE					
Dell Cine	MEACHDED	in v 64	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-114 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-114 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDN Fullcture	ASTM D6241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezoidal Teal	A3111 D4333	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate	A3111 D4431	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	11,000	-
Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THIONIESS	AUTTI DUIOU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
dilo i lon nuto	7,0111 5 1710	Lpm/m	224	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
C-114-12	12 in	100 ft	30 lbs	16480
C-114-18	18 in	100 ft	38 lbs	-
C-114-24	24 in	100 ft	50 lbs	14740

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] C-116

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-116 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-116 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	A QTM D62/.1	lbs	505	410
CDK FUIICIUIE	ASTM D6241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezuluai Teal		N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow kate	A5111 D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	11,000	-
Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
THICKIICOS	AUTIT DUISU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
ranc row nate	70111 0 1710	Lpm/m	224	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-116-12	12 in	100 ft	35 lbs	16470
C-116-18	18 in	100 ft	44 lbs	-
C-116-24	24 in	100 ft	60 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-118 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-118 is an economical solution for double-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ACTM DC2//1	lbs	580	535
CDR FUIICIUIE	ASTM D6241	N	2,580	2,380
Transzaidal Taar	ASTM D4533	lbs	100	80
Trapezoidal Tear	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) 3		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	AOTH D / / 01	gpm / ft²	135	100
water flow rate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	11,000	-
Strength	ASTM D1621	kPa	527	-
Thickness	ASTM D5199	in	0.4	-
HIUMIESS	AUTTI DJIGG	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-
dilo i lott nuto	7,0111 5 1710	Lpm/m	224	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
C-118-12	12 in	100 ft	40 lbs	-
C-118-18	18 in	100 ft	49 lbs	16300
C-118-24	24 in	100 ft	65 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ C-180 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-180 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-180 Series products provide an economical solution for double-sided subsurface drainage applications requiring high strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	C-184	C-186	C-188
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tonello Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBR Puncture	A5111 D0241	N	1,624	2,246	2,580
Transpoidal Toor	ASTM D4533	Ibs	60	85	100
Trapezoidal Tear	ASTRI 04555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	18,000	18,000	18,000
compressive strength	ASTM D1621	kPa	862	862	862
Thickness	ASTM D5199	in	0.4	0.4	0.4
HIICKIIESS	ASTIT DS188	mm	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21
	סו זדם וווטא	Lpm/m	261	261	261
COMPOSITE					
D.II O'	MEAGURER		12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-184 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-184 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	ASTI1 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FullClufe	A3111 D0241	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezoluai Teal	ASTI 04000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	LOTH D. (Of	gpm / ft ²	175	140
water flow Rate	ASTM D4491	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	18,000	-
Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
HIICKIICSS	ASTIT DJIGG	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
ratio i low mate	A0111 D 1/10	Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-184-12	12 in	100 ft	35 lbs	10980
C-184-18	18 in	100 ft	44 lbs	14880
C-184-24	24 in	100 ft	57 lbs	11060

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-186 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-186 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK PUNCTURE	A3111 D0241	N	2,246	1,824
Transported Took	ACTM D/E77	lbs	85	60
Trapezoidal Tear	ASTM D4533	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3	ASTP1 D4751	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow kate	A3111 D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	18,000	-
Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
HIICKIICSS	ASTIT DJIGG	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
III I MIIO I IOW NATO	70111 0 1710	Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-186-12	12 in	100 ft	40 lbs	10990
C-186-18	18 in	100 ft	50 lbs	14940
C-186-24	24 in	100 ft	67 lbs	11070

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-188 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-188 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Pulicture	A3111 D0241	N	2,580	2,380
Transpoidal Tass	ACTM D/E77	lbs	100	80
Trapezoidal Tear	ASTM D4533	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) 3		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water Flow Rate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	18,000	-
Strength	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
HIICKIICOS	ASTIT DJIGG	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
III I latte I low trate	אוודע וווטא	Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-188-12	12 in	100 ft	45 lbs	11100
C-188-18	18 in	100 ft	55 lbs	-
C-188-24	24 in	100 ft	72 lbs	11080

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ C-210 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-210 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-210 Series products provide an economical solution for double-sided subsurface drainage applications requiring high strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	C-214	C-216	C-218
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
0 1 7 11 01 11	AOTH D / 070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
ODD D	40TM D00/1	lbs	365	505	580
CBR Puncture	ASTM D6241	N	1,624	2,246	2,580
TT	AOTH D/577	lbs	60	85	100
Trapezoidal Tear	ASTM D4533	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
W . 5 . 5 .		gpm / ft²	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	6,315	5,501
CORE					
	ASTM D6364	psf	21,000	21,000	21,000
Compressive Strength	ASTM D1621	kPa	1,005	1,005	1,005
Thickness	ACTM DE100	in	0.4	0.4	0.4
Thickness	ASTM D5199	mm	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21
III-i Idile Flow Nate ASTIT 04710		Lpm/m	261	261	261
COMPOSITE					
			12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-214 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-214 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				1
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512
Transpaidal Toor	ASTM D4533	lbs	60	50
Trapezoidal Tear	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow Rate	A3111 D4491	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	21,000	-
Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THIONIESS	AUTTI DUIUU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	7,0111 5 1710	Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-214-12	12 in	100 ft	36 lbs	-
C-214-18	18 in	100 ft	46 lbs	-
C-214-24	24 in	100 ft	60 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-216 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-216 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDIV FUIICIUI e	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezoidal Teal	A3111 D4333	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110
water flow hate	A3111 D4431	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	21,000	-
Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AUTTI DUIUU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-216-12	12 in	100 ft	41 lbs	-
C-216-18	18 in	100 ft	52 lbs	-
C-216-24	24 in	100 ft	70 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] C-218

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-218 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-218 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FullClure	A3111 D0241	N	2,580	2,380
Transzaidal Taar	ASTM D4533	lbs	100	80
Trapezoidal Tear	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow rate	A3111 D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	21,000	-
Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AUTTI DUIUU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
dilo i lott nuto	7,0111 5 1710	Lpm/m	261	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
C-218-12	12 in	100 ft	46 lbs	-
C-218-18	18 in	100 ft	57 lbs	-
C-218-24	24 in	100 ft	74 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ C-300 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-300 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-300 Series products provide an economical solution for double-sided subsurface drainage applications requiring very high strength and moderate flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	C-304	C-306	C-308
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Characth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBK Pulicture	A3111 D0241	N	1,624	2,246	2,580
Transpoidal Toor	ASTM D4533	lbs	60	85	100
Trapezoidal Tear	ASTM 04555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³	ASTM 04/51	mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ACTM D//O1	gpm / ft²	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strongth	ASTM D6364	psf	30,000	30,000	30,000
Compressive Strength	ASTM D1621	kPa	1,436	1,436	1,436
Thickness	ASTM D5199	in	0.25	0.25	0.25
THICKHESS	ASTIT DOISS	mm	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	13	13
III I Iulië i Iow Nate	או/דע וווטא	Lpm/m	161	161	161
COMPOSITE					
Dall Cina	MEAGURER	in ()	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-304 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-304 is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDR PUIICIUIE	A3111 D0241	N	1,624	1,512
Transpoidal Tass	40TM D/E77	lbs	60	50
Trapezoidal Tear	ASTM D4533	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	40TM D/7F1	sieve	70	70
Size (AOS) 3	ASTM D4751	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow kate	ASTI1 D4491	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	30,000	-
Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKIICSS	ASTIT DJIGG	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
rane i low rate	70111 5 1710	Lpm/m	161	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-304-12	12 in	100 ft	31 lbs	-
C-304-18	18 in	100 ft	46 lbs	-
C-304-24	24 in	100 ft	62 lbs	-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-306 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-306 is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUIICIUIE	A3111 D0241	N	2,246	1,824
Transpaidal Toor	40TM D/577	lbs	85	60
Trapezoidal Tear	ASTM D4533	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3	A3111 D4731	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	AOTM D / / 01	gpm / ft²	155	110
water flow Rate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	30,000	-
Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
THOMICOS	A0111 D0100	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
dilo i lon nuto	7,0111 5 1710	Lpm/m	161	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-306-12	12 in	100 ft	42 lbs	-
C-306-18	18 in	100 ft	52 lbs	-
C-306-24	24 in	100 ft	74 lbs	-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN C-308 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-308 is an economical solution for double-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDIV FUIICIUI e	A3111 D0241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
Trapezoidal Teal	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) 3	A3111 D4731	mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft ²	135	100
water flow hate	ASTIT D4431	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	30,000	-
Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
THORICOS	A0111 00100	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
		Lpm/m	161	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-308-12	12 in	100 ft	47 lbs	14920
C-308-18	18 in	100 ft	58 lbs	-
C-308-24	24 in	100 ft	79 lbs	16430

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-60 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-60 Series geocomposite chimney drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-60 Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	CF-64	CF-66	CF-68
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	Ibs	365	505	580
CBR Pulicture	A5111 D0241	N	1,624	2,246	2,580
Transpaidal Tass	ASTM D4533	Ibs	60	85	100
Trapezoidal Tear	ASTRI 04555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ACTM D//01	gpm / ft²	175	155	135
Water Flow Rate	ASTM D4491	Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	6,000	6,000	6,000
compressive strength	ASTM D1621	kPa	287	287	287
Thickness	ASTM D5199	in	0.4	0.4	0.4
THICKHESS	ASTIT DS188	mm	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	15	15
III Fidile Flow Nate		Lpm/m	186	186	186
COMPOSITE					
Dall Cina	MEAGURER	in . ()	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-64 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-64 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512
Transzaidal Taar	ASTM D4533	lbs	60	50
Trapezoidal Tear	A3111 D4555	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3	A3111 D4731	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow Rate	A3111 D4491	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THICKHESS	ASTIT DSISS	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
	7,0111 5 1713	Lpm/m	186	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-64-12	12 in	100 ft	26 lbs	15220
CF-64-18	18 in	100 ft	34 lbs	16270
CF-64-24	24 in	100 ft	45 lbs	14800

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-66 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-66 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDIV FUIICIUI e	A3111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
Trapezoidal Teal	A3111 D4333	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3	A3111 D4731	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110
water flow hate	A3111 D4431	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	6,000	-
Strength	ASTM D1621	kPa	287	-
Thickness	ASTM D5199	in	0.4	-
THICKIESS	AOTTI DOIOO	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-
		Lpm/m	186	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-66-12	12 in	100 ft	31 lbs	-
CF-66-18	18 in	100 ft	39 lbs	-
CF-66-24	24 in	100 ft	55 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-68 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-68 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	1	1		
Grab Tensile	ASTM D4632	lbs	245	205		
Strength	A3111 D4032	N	1,090	912		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	580	535		
CDN FUIICIUIE	A3111 D0241	N	2,580	2,380		
Trapezoidal Tear	ASTM D4533	lbs	100	80		
Trapezuluai Teal	A3111 D4000	N	445	356		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80		
	A3111 D4731	mm	0.180	0.180		
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4		
Water Flow Rate	ASTM D4491	gpm / ft ²	135	100		
water flow kate	A3111 D4431	Lpm / m ²	5,501	4,074		
CORE						
Compressive	ASTM D6364	psf	6,000	-		
Strength	ASTM D1621	kPa	287	-		
Thickness	ASTM D5199	in	0.4	-		
THICKIICOS	AUTIT DUISU	mm	10	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	15	-		
ranc row nate	70111 0 1710	Lpm/m	186	-		

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-68-12	12 in	100 ft	36 lbs	-
CF-68-18	18 in	100 ft	45 lbs	-
CF-68-24	24 in	100 ft	60 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-90 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-90 Series geocomposite chimney drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-90 Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and moderate flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	CF-94	CF-96	CF-98
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBR Puncture	A5111 D0241	N	1,624	2,246	2,580
Transpoidal Toor	ASTM D4533	Ibs	60	85	100
Trapezoidal Tear	ASTRI D4555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
Apparent Opening Size (AOS) ³ ASTM D4751	AOTM D/751	sieve	70	70	80
	A5111 D4751	mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	9,000	9,000	9,000
compressive strength	ASTM D1621	kPa	431	431	431
Thickness	ASTM D5199	in	0.25	0.25	0.25
HIICKHESS	ASTIT DS183	mm	6.35	6.35	6.35
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	12	12
	AUTITUTIO	Lpm/m	149	149	149
COMPOSITE					
Dall Cina	MEAGURER	in . ()	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-94 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-94 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	3		
Grab Tensile	ASTM D4632	lbs	135	120		
Strength	A3111 D4032	N	601	534		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	365	340		
CDK FUNCTURE	A3111 D0241	N	1,624	1,512		
Transzoidal Toor	ASTM D4533	lbs	60	50		
Trapezoidal Tear	A3111 D4555	N	267	222		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70		
	A5111 D4751	mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7		
Water Flow Rate	ASTM D4491	gpm / ft²	175	140		
water flow kate	ASTR D4491	Lpm / m ²	7,130	5,704		
CORE						
Compressive	ASTM D6364	psf	9,000	-		
Strength	ASTM D1621	kPa	431	-		
Thickness	ASTM D5199	in	0.25	-		
HIICHHESS	ASTIT DSIGG	mm	6.35	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-		
ranc row nate	70111 0 1/10	Lpm/m	149	-		

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-94-12	12 in	100 ft	20 lbs	12820
CF-94-18	18 in	100 ft	29 lbs	-
CF-94-24	24 in	100 ft	36 lbs	12830

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-96 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-96 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	2	2		
Grab Tensile	ASTM D4632	lbs	195	160		
Strength	A3111 D4032	N	867	712		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	505	410		
CDIV FUIICIUI e	A3111 D0241	N	2,246	1,824		
Trapezoidal Tear	ASTM D4533	lbs	85	60		
Trapezoidal Teal	A3111 D4333	N	378	267		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70		
	AOTTI D-1701	mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5		
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110		
water flow hate	A3111 D4431	Lpm / m ²	6,315	4,482		
CORE						
Compressive	ASTM D6364	psf	9,000	-		
Strength	ASTM D1621	kPa	431	-		
Thickness	ASTM D5199	in	0.25	-		
	A0111 D0100	mm	6.35	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-		
		Lpm/m	149	-		

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
CF-96-12	12 in	100 ft	25 lbs	-
CF-96-18	18 in	100 ft	35 lbs	-
CF-96-24	24 in	100 ft	46 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-98 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-98 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	1	1		
Grab Tensile	ASTM D4632	lbs	245	205		
Strength	A3111 D4032	N	1,090	912		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	580	535		
CDK FUIICIUIE	A3111 D0241	N	2,580	2,380		
Trapezoidal Tear	ASTM D4533	lbs	100	80		
Trapezuluai Teal	A3111 D4000	N	445	356		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80		
	ASTI1 D4751	mm	0.180	0.180		
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4		
Water Flow Rate	ASTM D4491	gpm / ft²	135	100		
water flow kate	ASTPI D4491	Lpm / m ²	5,501	4,074		
CORE						
Compressive	ASTM D6364	psf	9,000	-		
Strength	ASTM D1621	kPa	431	-		
Thickness	ASTM D5199	in	0.25	-		
THICKIICOS	AUTTI DUIUU	mm	6.35	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	12	-		
dilo i lott nato	7,0111,01110	Lpm/m	149	-		

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-98-12	12 in	100 ft	27 lbs	-
CF-98-18	18 in	100 ft	41 lbs	-
CF-98-24	24 in	100 ft	51 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-110 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-110 Series geocomposite chimney drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-110 Series products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	CF-114	CF-116	CF-118
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	Ibs	365	505	580
CBR Pulicture	A5111 D0241	N	1,624	2,246	2,580
Transpaidal Tass	ASTM D4533	Ibs	60	85	100
Trapezoidal Tear	ASTRI D4555	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
Apparent Opening Size (AOS) ³ ASTM D4751	AOTM D / 7F1	sieve	70	70	80
	A5111 D4751	mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	11,000	11,000	11,000
compressive strength	ASTM D1621	kPa	527	527	527
Thickness	ASTM D5199	in	0.4	0.4	0.4
THICKIICSS	AOTTI DOIGO	mm	10	10	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	18	18
	AOTTI DITTO	Lpm/m	224	224	224
COMPOSITE					
Dell Cine	MEACHDED	in v ft	12 x 100	12 x 100	12 x 100
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-114 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-114 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	3		
Grab Tensile	ASTM D4632	lbs	135	120		
Strength	A3111 D4032	N	601	534		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	365	340		
CDN Fullcture	A3111 D0241	N	1,624	1,512		
Transzaidal Taar	ASTM D4533	lbs	60	50		
Trapezoidal Tear ASTM D4533	A3111 D4000	N	267	222		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³ AST	ASTM D4751	sieve	70	70		
	ASTR 04/51	mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7		
Water Flow Rate	ASTM D4491	gpm / ft²	175	140		
water flow kate	A5111 D4491	Lpm / m ²	7,130	5,704		
CORE						
Compressive	ASTM D6364	psf	11,000	-		
Strength	ASTM D1621	kPa	527	-		
Thickness	ASTM D5199	in	0.4	-		
THICKIICOS	AOTTI DOIOU	mm	10	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-		
ranc row nate	70111 0 1710	Lpm/m	224	-		

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-114-12	12 in	100 ft	30 lbs	-
CF-114-18	18 in	100 ft	38 lbs	-
CF-114-24	24 in	100 ft	50 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-116 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-116 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	2	2		
Grab Tensile	ASTM D4632	lbs	195	160		
Strength	A3111 D4032	N	867	712		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	505	410		
CDN FUIICIUIE	A3111 D0241	N	2,246	1,824		
Trapezoidal Tear	ASTM D4533	lbs	85	60		
Trapezuluai Teal	A3111 D4000	N	378	267		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70		
	A3111 D4731	mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5		
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110		
water flow kate	A3111 D4491	Lpm / m ²	6,315	4,482		
CORE						
Compressive	ASTM D6364	psf	11,000	-		
Strength	ASTM D1621	kPa	527	-		
Thickness	ASTM D5199	in	0.4	-		
THIONIESS	AUTIT DUISU	mm	10	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-		
		Lpm/m	224	-		

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
CF-116-12	12 in	100 ft	35 lbs	-
CF-116-18	18 in	100 ft	44 lbs	-
CF-116-24	24 in	100 ft	60 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-118 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-118 is an economical solution for single-sided subsurface drainage applications requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	1	1		
Grab Tensile	ASTM D4632	lbs	245	205		
Strength	A3111 D4032	N	1,090	912		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	580	535		
CDR FUIICIUIE	A3111 D0241	N	2,580	2,380		
Transzaidal Taar	ASTM D4533	lbs	100	80		
Trapezoidal Tear	A3111 D4333	N	445	356		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80		
		mm	0.180	0.180		
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4		
Water Flow Rate	ASTM D4491	gpm / ft²	135	100		
water flow rate	A3111 D4491	Lpm / m ²	5,501	4,074		
CORE						
Compressive	ASTM D6364	psf	11,000	-		
Strength	ASTM D1621	kPa	527	-		
Thickness	ASTM D5199	in	0.4	-		
HIUMIESS	AUTTI DJIGG	mm	10	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	-		
dilo i lott nuto	7,0111 5 1710	Lpm/m	224	-		

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-118-12	12 in	100 ft	40 lbs	-
CF-118-18	18 in	100 ft	49 lbs	-
CF-118-24	24 in	100 ft	65 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-180 SERIES







PRODUCT OVERVIEW

SITEDRAIN CF-180 Series geocomposite chimney drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-180 Series products provide an economical solution for single-sided subsurface drainage applications requiring high strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

TEST METHOD	UNIT OF MEASURE	CF-184	CF-186	CF-188		
		PP, NPNW	PP, NPNW	PP, NPNW		
AASHTO M288	Class	3	2	1		
40TH D (070	lbs	135	195	245		
ASTM D4632	N	601	867	1,090		
ASTM D4632	%	60	60	60		
40TM D00/1	lbs	365	505	580		
ASTM D6241	N	1,624	2,246	2,580		
40TM D/F77	lbs	60	85	100		
ASTM D4533	N	267	378	445		
ASTM D4355	% / 500 Hrs	70	70	70		
ASTM D4751	sieve	70	70	80		
	mm	0.212	0.212	0.180		
ASTM D4491	sec ⁻¹	2.4	2.1	1.8		
ASTM D4491	gpm / ft²	175	155	135		
	Lpm / m ²	7,130	6,315	5,501		
ASTM D6364	psf	18,000	18,000	18,000		
ASTM D1621	kPa	862	862	862		
ACTM DE100	in	0.4	0.4	0.4		
EEICU IIICA	mm	10	10	10		
ASTM D/4716	gpm/ft	21	21	21		
A3111 D4710	Lpm/m	261	261	261		
COMPOSITE						
METOTIBED		12 x 100	12 x 100	12 x 100		
MEASURED	in x ft			18 x 100 24 x 100		
	AASHTO M288 ASTM D4632 ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4555 ASTM D4751 ASTM D4491 ASTM D4491 ASTM D4491	AASHTO M288 Class Ibs N ASTM D4632 N ASTM D63241 N ASTM D4533 N ASTM D4533 N ASTM D4355 ASTM D4751 M ASTM D4491 ASTM D4491 ASTM D4491 ASTM D6364 ASTM D6716 ASTM D6716 Dpm/ft Lpm/m	AASHTO M288 Class 3 ASTM D4632 N 601 ASTM D4632 % 60 ASTM D6241 N 1,624 ASTM D4533 N 267 ASTM D4355 % / 500 Hrs 70 ASTM D4751 sieve 70 mm 0.212 ASTM D4491 sec ⁻¹ 2.4 ASTM D4491 ft² 175 Lpm / m² 7,130 ASTM D6364 psf 18,000 ASTM D6364 psf 18,000 ASTM D6199 mm 10 ASTM D5199 mm 10 ASTM D4716 Lpm/m 261	AASHTO M288 Class 3 2 ASTM D4632 N 601 867 ASTM D4632 % 60 60 ASTM D6241 N 1,624 2,246 ASTM D4533 N 267 378 ASTM D4533 N 267 378 ASTM D4555 % / 500 Hrs 70 70 ASTM D4751 sieve 70 70 ASTM D4491 sec¹ 2.4 2.1 ASTM D4491 sec¹ 2.4 2.1 ASTM D4491 ft² 175 155 Lpm / m² 7,130 6,315 ASTM D6364 ASTM D6121 kPa 862 862 ASTM D6162 kPa 862 862 ASTM D6164 D.4 0.4 0.4 ASTM D6169 in x ft 12 x 100 12 x 100 MEASURED in x ft 18 x 100 12 x 100		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-184 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-184 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	3		
Grab Tensile	ASTM D4632	lbs	135	120		
Strength	A3111 D4032	N	601	534		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	365	340		
CDIV FUIICIUI 6	ASTIT DUZ4I	N	1,624	1,512		
Trapezoidal Tear	ASTM D4533	lbs	60	50		
Trapezuluai Teal	A3111 D4000	N	267	222		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70		
	A3111 D4731	mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7		
Water Flow Rate	ASTM D4491	gpm / ft²	175	140		
Water Flow Rate	A3111 D4491	Lpm / m ²	7,130	5,704		
CORE						
Compressive	ASTM D6364	psf	18,000	-		
Strength	ASTM D1621	kPa	862	-		
Thickness	ASTM D5199	in	0.4	-		
THIONIESS	AUTIT DUISU	mm	10	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-		
		Lpm/m	261	-		

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-184-12	12 in	100 ft	35 lbs	12900
CF-184-18	18 in	100 ft	44 lbs	16450
CF-184-24	24 in	100 ft	57 lbs	12850

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-186 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-186 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV	
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	
Survivability	AASHTO M288	Class	2	2	
Grab Tensile	ASTM D4632	lbs	195	160	
Strength	A3111 D4032	N	867	712	
Grab Elongation	ASTM D4632	%	60	50	
CBR Puncture	ASTM D6241	lbs	505	410	
CDIX I UIICIUI E	A3111 D0241	N	2,246	1,824	
Trapezoidal Tear	ASTM D4533	lbs	85	60	
Trapezoidal Teal	A3111 D4333	N	378	267	
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	
	ASTIT D4731	mm	0.212	0.212	
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5	
Water Flow Rate	ASTM D4491	gpm / ft²	155	110	
water flow hate	ASTIT D4451	Lpm / m ²	6,315	4,482	
CORE					
Compressive	ASTM D6364	psf	18,000	-	
Strength	ASTM D1621	kPa	862	-	
Thickness	ASTM D5199	in	0.4	-	
	A0111 00100	mm	10	-	
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-	
		Lpm/m	261	-	

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-186-12	12 in	100 ft	40 lbs	12840
CF-186-18	18 in	100 ft	50 lbs	-
CF-186-24	24 in	100 ft	67 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-188 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-188 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV	
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	
Survivability	AASHTO M288	Class	1	1	
Grab Tensile	ASTM D4632	lbs	245	205	
Strength	A3111 D4032	N	1,090	912	
Grab Elongation	ASTM D4632	%	60	50	
CBR Puncture	ASTM D6241	lbs	580	535	
CDK FullClure	A3111 D0241	N	2,580	2,380	
Transzaidal Taar	ASTM D4533	lbs	100	80	
Trapezoidal Tear	A3111 D4333	N	445	356	
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80	
		mm	0.180	0.180	
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4	
Water Flow Rate	ASTM D4491	gpm / ft²	135	100	
water flow rate	A3111 D4491	Lpm / m ²	5,501	4,074	
CORE					
Compressive	ASTM D6364	psf	18,000	-	
Strength	ASTM D1621	kPa	862	-	
Thickness	ASTM D5199	in	0.4	-	
THICKIESS	AUTTI DUIUU	mm	10	-	
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-	
dilo i lott nuto	7,0111 5 1710	Lpm/m	261	-	

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
CF-188-12	12 in	100 ft	45 lbs	-
CF-188-18	18 in	100 ft	55 lbs	-
CF-188-24	24 in	100 ft	72 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-210 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-210 Series geocomposite chimney drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-210 Series products provide an economical solution for single-sided subsurface drainage applications requiring high strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	CF-214	CF-216	CF-218
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Grab Tensile Strength	ASTM D4632	lbs	135	195	245
		N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
ODD D	ASTM D6241	Ibs	365	505	580
CBR Puncture		N	1,624	2,246	2,580
	ASTM D4533	lbs	60	85	100
Trapezoidal Tear		N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
4	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	Sec ⁻¹	2.4	2.1	1.8
W . E . D .	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
0 1 0 1	ASTM D6364 ASTM D1621	psf	21,000	21,000	21,000
Compressive Strength		kPa	1,005	1,005	1,005
Thickness	ASTM D5199	in	0.4	0.4	0.4
		mm	10	10	10
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	21	21
		Lpm/m	261	261	261
COMPOSITE					
Roll Size			12 x 100	12 x 100	12 x 100
	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-214 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-214 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV				
GEOTEXTILE								
Material ²			PP, NPNW	PP, NPNW				
Survivability	AASHTO M288	Class	3	3				
Grab Tensile Strength	ASTM D4632	lbs	135	120				
	A3111 D4032	N	601	534				
Grab Elongation	ASTM D4632	%	60	50				
CBR Puncture	ASTM D6241	lbs	365	340				
CDK FUIICIUIE		N	1,624	1,512				
Trapezoidal Tear	ASTM D4533	lbs	60	50				
		N	267	222				
UV Resistance	ASTM D4355	% / 500 Hrs	70	70				
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70				
		mm	0.212	0.212				
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7				
Water Flow Rate	ASTM D4491	gpm / ft²	175	140				
	A5111 D4491	Lpm / m ²	7,130	5,704				
CORE								
Compressive Strength	ASTM D6364	psf	21,000	-				
	ASTM D1621	kPa	1,005	-				
Thickness	ASTM D5199	in	0.4	-				
THIONIESS	AUTIT DUISU	mm	10	-				
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-				
	7,0111 5 1710	Lpm/m	261	-				

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-214-12	12 in	100 ft	36 lbs	-
CF-214-18	18 in	100 ft	46 lbs	-
CF-214-24	24 in	100 ft	60 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-216

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-216 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-216 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDR FUIICIUI e	A3111 D0241	N	2,246	1,824
Transzaidal Taar	ASTM D4533	lbs	85	60
Trapezoidal Tear		N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft ²	155	110
water flow kate	A3111 D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	21,000	-
Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
THIONIESS	AUTTI DUIUU	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
dilo i lott nato	7,0111,01110	Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-216-12	12 in	100 ft	41 lbs	-
CF-216-18	18 in	100 ft	52 lbs	-
CF-216-24	24 in	100 ft	70 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-218

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-218 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-218 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	A3111 D0241	N	2,580	2,380
Transpaidal Toor	ASTM D4533	lbs	100	80
Trapezoidal Tear	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) 3		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow kate	ASTR D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	21,000	-
Strength	ASTM D1621	kPa	1,005	-
Thickness	ASTM D5199	in	0.4	-
HIICHHESS	ASTIT DSIGG	mm	10	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
III I Idilo I Iow nate	70111 0 1/10	Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-218-12	12 in	100 ft	46 lbs	-
CF-218-18	18 in	100 ft	57 lbs	-
CF-218-24	24 in	100 ft	74 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^{\}rm 4}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-300 SERIES

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-300 Series geocomposite chimney drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-300 Series products provide an economical solution for single-sided subsurface drainage applications requiring very high strength and moderate flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	CF-304	CF-306	CF-308		
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	2	1		
0 T	40TM D/070	lbs	135	195	245		
Grab Tensile Strength	ASTM D4632	N	601	867	1,090		
Grab Elongation	ASTM D4632	%	60	60	60		
ODD D	AOTM DOO/1	lbs	365	505	580		
CBR Puncture	ASTM D6241	N	1,624	2,246	2,580		
TT	40TM D/F77	lbs	60	85	100		
Trapezoidal Tear	ASTM D4533	N	267	378	445		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70		
A O . ' O' (AOO) 3	ASTM D4751	sieve	70	70	80		
Apparent Opening Size (AOS) 3		mm	0.212	0.212	0.180		
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8		
W . El D .	ASTM D4491	gpm / ft²	175	155	135		
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501		
CORE							
0	ASTM D6364	psf	30,000	30,000	30,000		
Compressive Strength	ASTM D1621	kPa	1,436	1,436	1,436		
Thickness	ASTM D5199	in	0.25	0.25	0.25		
HIICKHESS	EEICU IIICA	mm	6.35	6.35	6.35		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	13	13		
III I Idile I IOW Nate	AUTTI D4/10	Lpm/m	161	161	161		
COMPOSITE							
D 11 0:	MEAGURER		12 x 100	12 x 100	12 x 100		
Roll Size	MEASURED	in x ft	18 x 100 24 x 100	18 x 100 24 x 100	18 x 100 24 x 100		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN[™] CF-304

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-304 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-304 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile	ASTM D4632	lbs	135	120
Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512
Transzaidal Taar	ASTM D4533	lbs	60	50
Trapezoidal Tear		N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft ²	175	140
water flow kate	A3111 D4491	Lpm / m ²	7,130	5,704
CORE				
Compressive	ASTM D6364	psf	30,000	-
Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
THIOMICOS	A0111 D0100	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
		Lpm/m	161	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-304-12	12 in	100 ft	31 lbs	-
CF-304-18	18 in	100 ft	46 lbs	-
CF-304-24	24 in	100 ft	62 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-306

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-306 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-306 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				1
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile	ASTM D4632	lbs	195	160
Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDR FullClure	A3111 D0241	N	2,246	1,824
Transzaidal Taar	ASTM D4533	lbs	85	60
Trapezoidal Tear		N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	70	70
Size (AOS) 3		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	AOTM D / / 01	gpm / ft²	155	110
water flow kate	ASTM D4491	Lpm / m ²	6,315	4,482
CORE				
Compressive	ASTM D6364	psf	30,000	-
Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICKHESS	ASTIT DOIGG	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
III I Idilo I Iow Nato	70111 0 1710	Lpm/m	161	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
CF-306-12	12 in	100 ft	42 lbs	-
CF-306-18	18 in	100 ft	52 lbs	-
CF-306-24	24 in	100 ft	74 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ CF-308

PREFABRICATED CHIMNEY DRAIN





PRODUCT OVERVIEW

SITEDRAIN CF-308 geocomposite chimney drain is composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN CF-308 is an economical solution for single-sided subsurface drainage applications requiring very high strength, moderate flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile	ASTM D4632	lbs	245	205
Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK PUIICIUIE	A3111 D0241	N	2,580	2,380
Transpaidal Tags	ASTM D4533	lbs	100	80
Trapezoidal Tear	A3111 D4555	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening	ASTM D4751	sieve	80	80
Size (AOS) 3		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	AOTH D / / 01	gpm / ft ²	135	100
water flow kate	ASTM D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive	ASTM D6364	psf	30,000	-
Strength	ASTM D1621	kPa	1,436	-
Thickness	ASTM D5199	in	0.25	-
HIICHHESS	ASTIT DUISS	mm	6.35	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	13	-
ranc row nate	70111 0 1710	Lpm/m	161	-

MODEL	WIDTH	ROLL Length	ROLL WEIGHT	ITEM CODE
CF-308-12	12 in	100 ft	47 lbs	-
CF-308-18	18 in	100 ft	58 lbs	-
CF-308-24	24 in	100 ft	79 lbs	-

Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^4\,}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

SITEDRAIN™ HQ 240 SERIES

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 240 Series geocomposite combination drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products. SITEDRAIN HQ 240 Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	244	246	248		
GEOTEXTILE							
Material ²			PP, NPNW	PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	2	1		
Cook Townile Characth	ACTM D/070	lbs	135	195	245		
Grab Tensile Strength	ASTM D4632	N	601	867	1,090		
Grab Elongation	ASTM D4632	%	60	60	60		
CBR Puncture	ACTM DC2//1	lbs	365	505	580		
CBK Pulicture	ASTM D6241	N	1,624	2,246	2,580		
Trapezoidal Tear	ASTM D4533	lbs	60	85	100		
Trapezoluai Teal	A3111 D4000	N	267	378	445		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70		
Apparent Opening City (AOC) 3	ASTM D4751	sieve	70	70	80		
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180		
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8		
Water Flow Rate	ASTM D4491	gpm / ft²	175	155	135		
water flow kate		Lpm / m ²	7,130	6,315	5,501		
CORE							
C	ASTM D6364	psf	9,000	9,000	9,000		
Compressive Strength	ASTM D1621	kPa	431	431	431		
Thickness	ASTM D5199	in	0.4 / 1.0	0.4 / 1.0	0.4 / 1.0		
111101111699	ASTIT DJIGG	mm	10 / 25.4	10 / 25.4	10 / 25.4		
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	21	21		
	AUTTOTAL	Lpm/m	261	261	261		
COMPOSITE							
Roll Size	MEASURED	ft	2 x 50	2 x 50	2 x 50		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 244 geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 244 provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	3		
Grab Tensile Strength	ASTM D4632	lbs	135	120		
orab rensile strength	A3111 D4032	N	601	534		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	365	340		
CDK FUIICIUIE	A3111 D0241	N	1,624	1,512		
Transzoidal Toor	ASTM D4533	lbs	60	50		
Trapezoidal Tear	A5111 D4000	N	267	222		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Annoront Opening Size (AOS) 3	ASTM D4751	sieve	70	70		
Apparent Opening Size (AOS) ³		mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7		
Water Flow Rate	ASTM D4491	gpm / ft²	175	140		
Water Flow Rate	ASTI D4491	Lpm / m ²	7,130	5,704		
CORE						
Compressive Strangth	ASTM D6364	psf	9,000	-		
Compressive Strength	ASTM D1621	kPa	431	-		
Thickness	ASTM D5199	in	0.4 / 1.0	-		
HIICKHESS	AOTTI DOIGO	mm	10 / 25.4	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-		
	Lpm/m 261		261	-		
COMPOSITE						
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code		
Aranabio Non Olzoo	2 x 50	33	108	810		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 246 geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 246 provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUIICIUIE	A3111 D0241	N	2,246	1,824
Transparidal Toor	ASTM D4533	lbs	85	60
Trapezoidal Tear	A5111 U4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow kate	ASTRI D4491	Lpm / m ²	6,315	4,482
CORE				
0	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.4 / 1.0	-
HIICKHE22	ASTRI DSISS	mm	10 / 25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	AUTTUTTO	Lpm/m 261 -		-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Aranabio Non Olzoo	2 x 50	39	108	320

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 248 geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 248 provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Crab Tanaila Ctranath	ASTM D4632	lbs	245	205
Grab Tensile Strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Pulicture	A3111 D0241	N	2,580	2,380
T	ACTM D/F77	lbs	100	80
Trapezoidal Tear	ASTM D4533	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A + O i Oi (AOC)3	ASTM D4751	sieve	80	80
Apparent Opening Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow kate		Lpm / m ²	5,501	4,074
CORE				
0	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.4 / 1.0	-
HIICKHESS	ASTRI DOISS	mm	10 / 25.4	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
III I Idile I IOW Nate	Lpm/m 261		-	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Koll Sizes	2 x 50	45	10830	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN[™] HQ 240-B SERIES



PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN HQ 240-B Series geocomposite combination drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 240-B Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	244-B	246-B	248-B		
GEOTEXTILE	GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	2	1		
Cook Tourile Characth	ACTM D/070	lbs	135	195	245		
Grab Tensile Strength	ASTM D4632	N	601	867	1,090		
Grab Elongation	ASTM D4632	%	60	60	60		
CBR Puncture	ACTM DC2/1	lbs	365	505	580		
CBK Pulicture	ASTM D6241	N	1,624	2,246	2,580		
Trongraidal Toor	ASTM D4533	lbs	60	85	100		
Trapezoidal Tear	A3111 D4553	N	267	378	445		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70		
A	ASTM D4751	sieve	70	70	80		
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180		
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8		
Water Flam Date	ASTM D4491	gpm / ft²	175	155	135		
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501		
CORE							
0	ASTM D6364	psf	9,000	9,000	9,000		
Compressive Strength	ASTM D1621	kPa	431	431	431		
Thickness	ASTM D5199	in	0.4 / 1.0	0.4 / 1.0	0.4 / 1.0		
THICKHESS	BEICH HICA	mm	10 / 25.4	10 / 25.4	10 / 25.4		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21		
III I Idile I IOW Mate	או/דע וווטא	Lpm/m	261	261	261		
COMPOSITE							
Roll Size	MEASURED	ft	2 x 50	2 x 50	2 x 50		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN[™] HQ 244-B

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 244-B geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 244-B provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab Tensile Strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0Z41	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Hapezuluai Teal	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow kate		Lpm / m ²	7,130	5,704
CORE				
Compressive Strongth	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.4 / 1.0	-
THICKITESS	ASTIT DSIGO	mm	10 / 25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	10111 5 1110	Lpm/m	Lpm/m 261 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
ATTUINDED NOT OIZED	2 x 50	34	164	440

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^{\}rm 4}\,$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ HQ 246-B

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 246-B geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 246-B provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
orab rensile strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CDK FUIICIUIE	ASTPI 00241	N	2,246	1,824
Transzoidal Toor	ASTM D4533	lbs	85	60
Trapezoidal Tear	A5111 D4000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	70	70
Apparent Opening Size (AOS) ³		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
water flow kate		Lpm / m ²	6,315	4,482
CORE				
0	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.4 / 1.0	-
HIICKHESS	ASTRI DSISS	mm	10 / 25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	AUTTUTTO	Lpm/m	261 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil 01260	2 x 50	40		-

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ HQ 248-B

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQ 248-B geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products.SITEDRAIN HQ 248-B provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, additional protection for softer waterproofing membranes, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CDK FUIICIUIE	ASTPI 00241	N	2,580	2,380
Transparidal Toor	ASTM D4533	lbs	100	80
Trapezoidal Tear	A3111 D4000	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
A	ASTM D4751	sieve	80	80
Apparent Opening Size (AOS) ³		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
water flow kate		Lpm / m ²	5,501	4,074
CORE				
C	ASTM D6364	psf	9,000	-
Compressive Strength	ASTM D1621	kPa	431	-
Thickness	ASTM D5199	in	0.4 / 1.0	-
HIICKHESS	ASTRI DSISS	mm	10 / 25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	AUTTUTTO	Lpm/m	261 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code
Available Noil 01260	2 x 50	46		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ HQS 1200 SERIES

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HOS 1200 Series geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HQS 1200 Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	1240	1260	1280
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBK Puncture	A51M D024I	N	1,624	2,246	2,580
Tananasi dal Tana	ACTM D/F77	lbs	60	85	100
Trapezoidal Tear	ASTM D4533	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A+ Oi O: (AOO) 3	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Data	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
0	ASTM D6364	psf	9,500	9,500	9,500
Compressive Strength	ASTM D1621	kPa	455	455	455
Thickness	ASTM D5199	in	1.0	1.0	1.0
THICKHESS	ASTIT DOISS	mm	25.4	25.4	25.4
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21
	A0111 D 1/10	Lpm/m	261	261	261
COMPOSITE					
Roll Size	MEASURED	ft	1 x 150	1 x 150	1 x 150

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQS 1240 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HQS 1240 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV		
GEOTEXTILE						
Material ²			PP, NPNW	PP, NPNW		
Survivability	AASHTO M288	Class	3	3		
Grab Tensile Strength	ASTM D4632	lbs	135	120		
orab rensile strength	A3111 D4032	N	601	534		
Grab Elongation	ASTM D4632	%	60	50		
CBR Puncture	ASTM D6241	lbs	365	340		
CDN Fullcture	A3111 D0241	N	1,624	1,512		
Trapezoidal Tear	ASTM D4533	lbs	60	50		
Trapezulual Teal	A3111 D4000	N	267	222		
UV Resistance	ASTM D4355	% / 500 Hrs	70	70		
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70		
Apparent opening size (AOS)		mm	0.212	0.212		
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7		
Water Flow Rate	ASTM D4491	gpm / ft ²	175	140		
water flow hate		Lpm / m ²	7,130	5,704		
CORE						
Compressive Strength	ASTM D6364	psf	9,500	-		
compressive strength	ASTM D1621	kPa	455	-		
Thickness	ASTM D5199	in	1.0	-		
THICKIESS	AOTTI DOIGO	mm	25.4	-		
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-		
		Lpm/m	261 -			
COMPOSITE						
	Dimensions (ft)	Weight (lbs)		em Code		
Available Roll Sizes	1 x 135	43		950		
	1 x 150	48	115	540		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQS 1260 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HOS 1260 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV	
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	
Survivability	AASHTO M288	Class	2	2	
Grab Tensile Strength	ASTM D4632	lbs	195	160	
orab rensile strength	A3111 D4032	N	867	712	
Grab Elongation	ASTM D4632	%	60	50	
CBR Puncture	ACTM DCQ/1	lbs	505	410	
CBK Pullclure	ASTM D6241	N	2,246	1,824	
Transpaidal Taar	ASTM D4533	lbs	85	60	
Trapezoidal Tear	ASTM 04555	N	378	267	
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	
A	ASTM D4751	sieve	70	70	
Apparent Opening Size (AOS) ³		mm	0.212	0.212	
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5	
Water Flow Rate	AOTH DAVID	gpm / ft²	155	110	
water flow kate	ASTM D4491	Lpm / m ²	6,315	4,482	
CORE					
C	ASTM D6364	psf	9,500	-	
Compressive Strength	ASTM D1621	kPa	455	-	
Thickness	ASTM D5199	in	1.0	-	
THICKITESS	ASTIT DOISS	mm	25.4	-	
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-	
III I IUIIC I IUW I\atc	AUTTI DT/10	Lpm/m	261	-	
COMPOSITE					
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	m Code	
Availanis I/OII 91762	1 x 150	54	11560		

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQS 1280 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HOS 1280 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
orab rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
CBR Puncture	ASTPI 00241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
тарегонат теат	A3111 D4333	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AUS)		mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Rate	ASTI D4491	Lpm / m ²	5,501	4,074
CORE				
Compressive Strongth	ASTM D6364	psf	9,500	-
Compressive Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
HIICKHESS	ASTIT DSISS	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	7,0111,01710	Lpm/m	Lpm/m 261 -	
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
Available Noil 01260	1 x 150	60	115	580

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

SITEDRAIN™ HQS 1800 SERIES



PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN HOS 1800 Series geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HQS 1800 Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	1840	1860	1880
GEOTEXTILE				1	1
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Cook Tourille Channeth	ACTM D/070	lbs	135	195	245
Grab Tensile Strength	ASTM D4632	N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
CBK Puncture	A51M D024I	N	1,624	2,246	2,580
Transpaidal Tass	ACTM D/EZZ	lbs	60	85	100
Trapezoidal Tear	ASTM D4533	N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
A+ Oi O: (AOO) 3	ASTM D4751	sieve	70	70	80
Apparent Opening Size (AOS) ³		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flam Date	ASTM D4491	gpm / ft²	175	155	135
Water Flow Rate		Lpm / m ²	7,130	6,315	5,501
CORE					
0	ASTM D6364	psf	9,500	9,500	9,500
Compressive Strength	ASTM D1621	kPa	455	455	455
Thickness	ASTM D5199	in	1.0	1.0	1.0
HIICKHESS	ASTIT DOISS	mm	25.4	25.4	25.4
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	21	21
III I IUIIG I IUW I\U.C	סו/דם וווסא	Lpm/m	261	261	261
COMPOSITE					
Roll Size	MEASURED	ft	1.5 x 150	1.5 x 150	1.5 x 150

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQS 1840 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HQS 1840 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
orab rensile strength	A3111 D4032	N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
CDK FUIICIUIE	A3111 D0Z41	N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
Trapezuluai Teal	A3111 D4000	N	267	222
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AOS)		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft²	175	140
water flow rate		Lpm / m ²	7,130	5,704
CORE				
Compressive Strongth	ASTM D6364	psf	9,500	-
Compressive Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
HIIICKHESS	ASTIT DSISS	mm	25.4	-
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	21	-
	10111 5 1710	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Ite	em Code
ATTAINABILE HOIL DIZZO	1.5 x 150	60	115	550

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQS 1860 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HQS 1860 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
Grab Tensile Strength	A3111 D4032	N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
CBK Pulicture	A5111 D0241	N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
rrapezuluai rear	ASTI 04000	N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
Apparent opening Size (AOS)	ASTM 04/51	mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft²	155	110
Water Flow Rate		Lpm / m ²	6,315	4,482
CORE				
Compressive Strongth	ASTM D6364	psf	9,500	-
Compressive Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
THICKHESS	פפוכת ויו וכא	mm	25.4	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	סוידם וווטא	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
Availanis I/Oil 91762	1.5 x 150	75	11570	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

PREFABRICATED STRIP DRAIN





PRODUCT OVERVIEW

SITEDRAIN HQS 1880 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN HQS 1880 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
oran rensile strength	A3111 D4032	N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ACTM DC2//1	lbs	580	535
CBK Pulicture	ASTM D6241	N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
rrapezuluai rear	A3111 D4555	N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	80
Apparent opening Size (AOS)	ASTM 04/51	mm	0.180	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft²	135	100
Water Flow Nate		Lpm / m ²	5,501	4,074
CORE				
Compressive Strongth	ASTM D6364	psf	9,500	-
Compressive Strength	ASTM D1621	kPa	455	-
Thickness	ASTM D5199	in	1.0	-
THICKHESS	פפוכע ויו וכא	mm	25.4	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
	סוודם וווטא	Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
Availants I/OII 91762	1.5 x 150	78	11590	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

AMERDRAIN PVD 407

PREFABRICATED VERTICAL DRAIN / PVD / WICK DRAIN





PRODUCT OVERVIEW

AMERDRAIN PVD 407 wick drain is one of the world's most widely used and accepted PVD designs offering unmatched performance and quality. AMERDRAIN PVD 407 sets the world standard on projects where PVDs are employed to control and accelerate the consolidation of soft or yielding soils due to excess pore water pressure.

AMERDRAIN PVD 407 is a two-part prefabricated soil drain consisting of a formed polypropylene core covered with a spunbonded nonwoven polypropylene geotextile filter fabric. The geotextile allows water to pass into the drain core while restricting the movement of soil particles which might otherwise clog the core.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, SBNW	PP, SBNW
Crah Tanaila Ctranath	ASTM D4632	lbs	150	130
Grab Tensile Strength	ASTIT D4032	N	667	578
Grab Elongation	ASTM D4632	%	50	50
CBR Puncture	ASTM D6241	lbs	295	276
CDN Fullcture	A3111 D0241	N	1,312	1,228
Trapezoidal Tear	ASTM D4533	lbs	70	60
Trapezuluai Teal	ASTI D4000	N	310	290
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80	60
Apparent opening size (AOS)	A3111 D4731	mm	0.180	0.250
Permittivity	ASTM D4491	sec ⁻¹	1.0	0.8
Water Flow Rate	ASTM D4491	gpm / ft²	70	60
Water Flow Nate		Lpm / m ²	2,850	2,444
CORE				
Material ²			PP	-
Tanaila Ctranath	ASTM D4595	lbs	225	-
Tensile Strength		N	1,001	-
COMPOSITE				
Tensile Strength	ASTM D4595	lbs	620	-
Tensile strength	A3111 D4090	N	2,758	-
Discharge Capacity	AOTM D / 7104	gpm	1.6	-
Discharge Capacity	ASTM D4716 ⁴	lpm	6	-
	AWD Item Code	Dimensions	Roll Width x Roll Length	Weight (lbs)
Available Roll Sizes	1/070	in x ft	4 x 1,000	52
	14070	mm x m	102 x 305	26

¹ Minimum Average Roll Value (MARV) and Typical Value as defined in ASTM D4439.

² PP = Polypropylene; SBNW = Spunbonded Nonwoven

 $^{^{3}}$ AOS MARV = Maximum Average Roll Value (MaxARV).

SITEDRAIN™ VRA 50

PREFABRICATED GREEN ROOF DRAIN





PRODUCT OVERVIEW

SITEDRAIN VRA Series geocomposites are designed for vegetative roof assembly (VRA) applications, which are also commonly referred to as "green roof", "roof garden", and "eco-roof" applications. SITEDRAIN VRA products provide the "middle layer" of a complete VRA system, providing lightweight and economical solutions for drainage, aeration, water storage, soil retention, root barrier, and waterproofing membrane protection.

SITEDRAIN VRA Series products are composed of a high-strength dimpled polymeric perforated core with a geotextile bonded to both sides. The spunbonded nonwoven geotextile on the top side allows water to pass through while retaining planting media and serving as a physical root barrier to inhibit root penetration by vegetation with low to moderately aggressive root structures. The core provides water storage capacity, as well as a continuous flow path for excess water to designated drainage exits. The needlepunched nonwoven geotextile on the bottom side provides protection to layers below, such as waterproofing membranes and insulation.

 ${\tt SITEDRAIN\,VRA\,50\,utilizes\,a\,0.4''-thick\,core\,and\,is\,the\,appropriate\,selection\,for\,most\,VRA\,applications.}$

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	VRA 50
GEOTEXTILE - TOP SIDE			
Material ²			PP, SBNW
Survivability	AASHTO M288	Class	3
Grab Tensile Strength	ASTM D4632	lbs	150
orab rensile otrength	AUTT D-1002	N	667
Grab Elongation	ASTM D4632	%	50
CBR Puncture	ASTM D6241	lbs	295
ODK i diletare	AUTH DUZHI	N	1,312
Trapezoidal Tear	ASTM D4533	lbs	70
Trapezoidal real	AUTH D4300	N	310
UV Resistance	ASTM D4355	% / 500 Hrs	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80
Apparent opening size (AUS)	AUTIT D4701	mm	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.0
Water Flow Rate	ASTM D4491	gpm / ft²	70
water Flow Rate	A5111 D4491	Lpm / m ²	2,850
CORE			
Material ²			HIPS
Carana a sina Charana th	ASTM D6364	psf	15,000
Compressive Strength	ASTM D1621	kPa	718
Thislman	ASTM D5199	in	0.4
Thickness		mm	10
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18
Hydraulic Gradient = 1.0	A51 M D4/16	Lpm/m	224
In-Plane Flow Rate 4	AOTM D / 710	gpm/ft	6
Hydraulic Gradient = 0.1	ASTM D4716	Lpm/m	75
W-1 C1 C	ACTM FOZOO	gal/ft²	0.05
Water Storage Capacity	ASTM E2398	L/m²	2.0
Deufenstien Onen Ause	ON OWN ATER	in²/ft²	3.9
Perforation Open Area	CALCULATED	mm²/m²	27,080
GEOTEXTILE - BOTTOM SIDE			
Material ²			PP, NPNW
Cook Towalla Channak	AOTM D/070	lbs	100
Grab Tensile Strength	ASTM D4632	N	445
COMPOSITE		·	
Recycled Content ⁵	CALCULATED	%	> 65
Roll Size	MEASURED	ft	4 x 50
Roll Weight	MEASURED	lbs	45
AWD Item Code			16070

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; HIPS = High Impact Polystyrene; NPNW = Needle-Punched Nonwoven; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^{\}rm 4}\,$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Pre-Consumer recycled content by weight.

All technical information contained in this document is accurate as of publication. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.

SITEDRAIN™ VRA 100

PREFABRICATED GREEN ROOF DRAIN





PRODUCT OVERVIEW

SITEDRAIN VRA Series geocomposites are designed for vegetative roof assembly (VRA) applications, which are also commonly referred to as "green roof", "roof garden", and "eco-roof" applications. SITEDRAIN VRA products provide the "middle layer" of a complete VRA system, providing lightweight and economical solutions for drainage, aeration, water storage, soil retention, root barrier, and waterproofing membrane protection.

SITEDRAIN VRA Series products are composed of a high-strength dimpled polymeric perforated core with a geotextile bonded to both sides. The spunbonded nonwoven geotextile on the top side allows water to pass through while retaining planting media and serving as a physical root barrier to inhibit root penetration by vegetation with low to moderately aggressive root structures. The core provides water storage capacity, as well as a continuous flow path for excess water to designated drainage exits. The needlepunched nonwoven geotextile on the bottom side provides protection to layers below, such as waterproofing membranes and insulation.

SITEDRAIN VRA 100 utilizes a 1″-thick core for specialty applications requiring increased in-plane flow capacity and/or increased water storage capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	VRA 100
GEOTEXTILE - TOP SIDE			
Material ²			PP, SBNW
Survivability	AASHTO M288	Class	3
Grab Tensile Strength	ASTM D4632	lbs	150
orab rensile otrength	AUTT D-1002	N	667
Grab Elongation	ASTM D4632	%	50
CBR Puncture	ASTM D6241	lbs	295
ODK T dilotale	AUTH DUZHI	N	1,312
Trapezoidal Tear	ASTM D4533	lbs	70
Trapezoidai Teai	AUTH D4300	N	310
UV Resistance	ASTM D4355	% / 500 Hrs	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	80
Apparent opening size (AUS)	A011/104/01	mm	0.180
Permittivity	ASTM D4491	sec ⁻¹	1.0
Water Flow Rate	ASTM D4491	gpm / ft²	70
water Flow Rate	A51 N D4491	Lpm / m ²	2,850
CORE			
Material ²			HIPS
0	ASTM D6364	psf	9,500
Compressive Strength	ASTM D1621	kPa	455
Third and	ASTM D5199	in	1
Thickness		mm	25.4
In-Plane Flow Rate 4	ACTM D / 710	gpm/ft	80
Hydraulic Gradient = 1.0	ASTM D4716	Lpm/m	933
In-Plane Flow Rate 4	AOTM D / 710	gpm/ft	21
Hydraulic Gradient = 0.1	ASTM D4716	Lpm/m	260
W. L Q Q	AOTM 50700	gal/ft²	0.08
Water Storage Capacity	ASTM E2398	L/m²	3.3
D. G. alla Cara Arra	OALOUI ATED	in²/ft²	8.7
Perforation Open Area	CALCULATED	mm²/m²	60,400
GEOTEXTILE - BOTTOM SIDE			
Material ²			PP, NPNW
Out Tourist Or worth		lbs	100
Grab Tensile Strength	ASTM D4632	N	445
COMPOSITE			
Recycled Content 5	CALCULATED	%	> 70
Roll Size	MEASURED	ft	3 x 50
Roll Weight	MEASURED	lbs	40
AWD Item Code			16080

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; HIPS = High Impact Polystyrene; NPNW = Needle-Punched Nonwoven; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^{\}rm 4}$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Pre-Consumer recycled content by weight.

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SITEDRAIN™ VRA-W SERIES

PREFABRICATED GREEN ROOF DRAIN





PRODUCT OVERVIEW

SITEDRAIN VRA-W Series geocomposites are designed for vegetative roof assembly (VRA) applications, which are also commonly referred to as "green roof", "roof garden", and "eco-roof" applications. SITEDRAIN VRA products provide the "middle layer" of a complete VRA system, providing lightweight and economical solutions for drainage, aeration, water storage, soil retention, root barrier, and waterproofing membrane protection.

SITEDRAIN VRA-W Series products are composed of a high-strength dimpled polymeric perforated core with a geotextile bonded to both sides. The woven monofilament geotextile on the top side allows water to pass through while retaining planting media and serving as a physical root barrier to inhibit root penetration by vegetation with low to moderately aggressive root structures. The core provides water storage capacity, as well as a continuous flow path for excess water to designated drainage exits. The needlepunched nonwoven geotextile on the bottom side provides protection to layers below, such as waterproofing membranes and insulation.

SITEDRAIN VRA 50-W utilizes a 0.4″-thick core and is the appropriate selection for most VRA applications. SITEDRAIN VRA 100-W utilizes a 1″-thick core for specialty applications requiring increased in-plane flow capacity and/or increased water storage capacity.

PROPERTY 1	TEST METHOD	UNIT OF MEASURE	VRA 50-W	VRA 100-W
GEOTEXTILE - TOP SIDE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	430 x 240
orab rensile strength	A3111 D400Z	N	1,914 x 1,068	1,914 x 1,068
Grab Elongation	ASTM D4632	%	30 x 15	30 x 15
CBR Puncture	ASTM D6241	lbs	800	800
CDN Functure	A3111 D0241	N	3,560	3,560
Trapezoidal Tear	ASTM D4533	lbs	180 x 130	180 x 130
Trapezoluai Teal	ASTIT D4000	N	801 x 579	801 x 579
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	50	50
Apparent opening Size (AOS)	A3111 U4/31	mm	0.30	0.30
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.7
Water Flow Date	ACTM D//01	gpm / ft²	195	195
Water Flow Rate	ASTM D4491	Lpm / m ²	7,944	7,944
CORE				
Material ²			HIPS	HIPS
C	ASTM D6364 ASTM D1621	psf	15,000	9,500
Compressive Strength		kPa	718	455
Thickness	ASTM D5199	in	0.4	1
THICKNESS		mm	10	25.4
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18	80
Hydraulic Gradient = 1.0		Lpm/m	224	933
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	6	21
Hydraulic Gradient = 0.1	A3111 D4710	Lpm/m	75	260
Water Storage Conneity	ASTM E2398	gal/ft²	0.05	0.08
Water Storage Capacity	ASTIT EZJ90	L/m ²	2.0	3.3
Dorforation Open Area	CALCIII ATED	in²/ft²	3.9	8.7
Perforation Open Area	CALCULATED	mm²/m²	27,080	60,400
GEOTEXTILE - BOTTOM SIDE				
Material ²			PP, NPNW	PP, NPNW
Crob Topoilo Ctro	ASTM D4632	lbs	100	100
Grab Tensile Strength		N	445	445
COMPOSITE			1	
Recycled Content ⁵	CALCULATED	%	> 60	> 65
Roll Size	MEASURED	ft	4 x 50	3 x 50
Roll Weight	MEASURED	lbs	50	44
AWD Item Code			16220	16210

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; HIPS = High Impact Polystyrene; NPNW = Needle-Punched Nonwoven; SBNW = Spunbonded Nonwoven; WM= Woven Monofilament

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

 $^{^{\}rm 4}\,$ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

⁵ Pre-Consumer recycled content by weight.

All technical information contained in this document is accurate as of publication. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.



FITTINGS & ACCESSORIES

PIPE OUTLETS: Transition water to 4" smooth or corrugated pipe



6" End Outlet 10/box

Item: #20005



End Outlet 10/box

12" Strip Drain Item: #20006 18" Strip Drain Item: #20007 24" Strip Drain Item: #20008 36" Strip Drain Item: #20009 Combination Drain: Item: #20008



Tee Outlet 10/box

6" Strip Drain Item: #20024 12" Strip Drain Item: #20015 18" Strip Drain Item: #20016 24" Strip Drain Item: #20018 Combination Drain: Item: #20019



Geo-Outlet 10/box

Item: #20026

CONNECTORS:



12" Corner Guard 20/box

Item: #20022



6" Tee Connector

Item: #20014



Step-Down Fittings 10/box

6" Strip Drain 12" Strip Drain Item: #20012 Item: #20013



6" Corner Fitting
10/box

Item: #20002



Fitting & Joint Tape
Minimum 1 Roll

Item: #29000



6" Splice Connector

Item: #20011



Drain GratesMinimum 1 Unit

3" Pipe Item: #29001 4" Pipe Item: #29002

WEB: awd-usa.com



AWD FITTING & JOINT TAPE



PRODUCT DESCRIPTION

AWD Fitting & Joint Tape is recommended for the sealing, seaming, terminating, and connection of AWD Fittings and AWD geocomposite drainage products as referenced in AWD literature, including installation guides, CAD details, and technical bulletins. AWD Fitting & Joint Tape is designed for underground use and provides a strong bond that will not deteriorate over time in typical subsurface conditions.

AWD Fitting & Joint Tape has...

- 40 mil thick composite member,
- Reinforced polyolefin base, laminated to a polypropylene layer
- Adhesive-backed with removable release liner

PHYSICAL PROPERTIES	TEST METHOD	UNIT OF MEASURE	Typical Value
Tensile Strength Machine Direction (Force)	ASTM D751-95	lbs	130
Cross Direction (Force)	A3111 D731-33	lbs	124
Trapezoidal Tear Strength Machine Direction (Force)	ASTM D4533-91	lbs	46
Cross Direction (Force)	A0111 D4000 01	lbs	44
Mullen Burst	ASTM D751-95	psi	180
UV Exposure (2000 hours)	ASTM G154-98	%	>90
Permeability (MVTR)	ASTM E96-B	Perms	<0.075
Recycled Content	CALCULATED	%	>45
Roll Size	MEASURED	in x ft	4 x 75

















