



PETROMAT<sup>®</sup> Enviro<sup>™</sup> is a needle-punched nonwoven polypropylene paving fabric that is millable, recyclable, and compatible with placement directly on milled and smooth pavement surfaces. PETROMAT Enviro is a moisture barrier and stress absorbing interlayer beneath asphalt overlays or chip seals. Petromat Enviro has 360 degrees of strength homogeneity, not achieved by scrim reinforced geosynthetic interlayers, is patent pending and produced by Propex to meet the following values when tested in accordance with the methods listed below.

PETROMAT Enviro conforms to the property values listed below. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

PROPERTY	Test Method	ENGLISH	METRIC
<b>ORIGIN OF MATERIALS</b>			
% U.S. Manufactured		100%	100%
<b>PHYSICAL</b>			
Mass/Unit Area <sup>1</sup>	ASTM D-5261	4.1 oz/sy	140 g/sm
Color	Visual	Solar Reflective Green	
Solar Reflectance Temperature Reduction	Measured	up to 50 degrees F	up to 10 degrees C
Thickness <sup>1</sup>	ASTM D5199	35 mils	0.89 mm
Asphalt Saturated Thickness <sup>3</sup>	ASTM D6140 & D5199	70 mils	1.78 mm
<b>MECHANICAL</b>			
Strip Tensile Strength <sup>1</sup> (MD, CMD, and 45 bias)	ASTM D5035 (2-CE)	45 lbs.	200 N
Strip Tensile Elongation <sup>1</sup> (MD, CMD, and 45 bias)	ASTM D5035 (2-CE)	>40%	>40%
Grab Tensile Strength <sup>1</sup> (MD, CMD, and 45 bias)	ASTM D4632	101 lbs	450 N
Grab Tensile Elongation <sup>1</sup> (MD, CMD, and 45 bias)	ASTM D4632	>50%	>50%
Asphalt Saturated Grab Tensile Strength <sup>3</sup> (MD, CMD, and 45 bias)	ASTM D6140 & D4632	230 lbs	1023 N
Asphalt Saturated Grab Tensile Elongation <sup>3</sup> (MD, CMD, and 45 bias)	ASTM D6140 & D4632	>40%	>40%
Trapezoidal Tear Strength <sup>4</sup>	ASTM D4533	< 50 lbs	< 222 N
Asphalt Saturated Trapezoidal Tear Strength <sup>2</sup>	ASTM D6140 & D4533	< 30 lbs	< 133 N
Hydraulic Bursting Strength <sup>1</sup>	ASTM D3786	200 psi	1380 kPa
Melting Point <sup>4</sup>	ASTM D276	325 °F	163 °C
<b>MOISTURE BARRIER PERFORMANCE</b>			
Asphalt Saturated Permeability <sup>3</sup>	FDOT FM 5-565	<10 <sup>-4</sup> cm/sec	<10 <sup>-4</sup> cm/sec
Asphalt Retention <sup>3</sup>	ASTM D6140	0.2 gal./sq. yd.	0.9 l/sm
Roll Sizes		10.5 ft x 360 ft 12.5 ft x 360 ft	3.20 m x 109.7 m 3.81 m x 109.7 m

**NOTES:**

1. Minimum Average Roll Value (MARV) shown. Values represents values in the weakest principal direction.
2. Maximum Test Value (MaxTV) per ASTM D8102 performed annually by third party testing.
3. Minimum Test Value (MinTV) per ASTM D8102 performed annually by third party testing.
4. Typical average values shown.
5. The property values listed above are effective 09/08/2021 and are subject to change without notice. Values represent testing at time of manufacture.



ENGINEERED PAVING SOLUTIONS<sup>™</sup>

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