

AASHTO M288-17 GEOTEXTILES TECHNICAL DATA SHEET

The American Association of State Highway and Transportation Officials (AASHTO) consists of professionals from each of the state's highway and transportation departments, with the objective of developing common standards such as AASHTO M288. AASHTO M288-17 is published within its two-volume "Standard Specifications for Transportation Materials and Methods of Sampling and Testing."

M288-17 covers six geotextile applications: Subsurface Drainage, Separation, Stabilization, Permanent Erosion Control, Sediment Control, and Paving Fabrics. However, AASHTO M288-17 is not a design guideline. It is the engineer's responsibility to choose a geotextile for the application that takes into consideration site-specific soil and water conditions. When site conditions are unknown, engineers can refer to AASHTO M288-17 Survivability Default Classes for guidance.

Survivability is divided into 3 Classes: Class (1) being the most severe and Class (3) being the less severe. Each class is then subdivided according to elongation offering a choice of non woven geotextiles or woven geotextiles. If an elongation is not specified, a woven option is most often the user's best option since they are typically less expensive than non woven geotextiles. For certain applications hydraulic properties are included in AASHTO M288-17.

Below is a list of ACF Environmental geotextiles that meet the AASHTO M288-17 specifications for various applications.

	CLASS 1		CLASS 2		CLASS 3	
	WOVEN (<50%)	NONWOVEN (>50%)	WOVEN (<50%)	NONWOVEN (>50%)	WOVEN (<50%)	NONWOVEN (>50%)
SUBSURFACE DRAINAGE						
<15% Fines	HSP2	N080	HSP2	N060	HSP2	N045
15% - 50% Fines	N/A	N080	M100	N060	M100	N045
>50% Fines	N/A	N080	M100	N060	M100	N045
STABILIZATION	S300	N080	S250	N060	S200	N045
SEPARATION	S300	N080	S250	N060	S200	N045
PERMANENT EROSION CONTROL						
<15% Fines	HSP2	N080	HSP2	N/A	N/A	N/A
15% - 50% Fines	N/A	N080	M100	N/A	N/A	N/A
>50% Fines	N/A	N080	M100	N/A	N/A	N/A
ENHANCEMENT CLASS 1A	570 HP					
PAVING FABRIC TYPE 2	Petromat 4597					

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