

4-28-2010

Qualified Product List of Geotextiles, December 2002

Maine Department of Transportation

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Recommended Citation

Maine Department of Transportation, "Qualified Product List of Geotextiles, December 2002" (2010).
Transportation Documents. 2093.
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Maine Department of Transportation
 Qualified Product List of
GEOTEXTILES
 Meeting Standard Specification Revision of December 2002, Sections 620 722

Manufacturer/Supplier <i>List of Specified Products</i>	722.01 Stabilization/ Reinforcement Geotextile	722.02 Drainage Geotextile	722.03 Erosion Control Geotextile		722.04 Separation Geotextile	Silt Fence (AASHTO M-288)
			CLASS 1	CLASS 2		
Propex Fabrics, Inc. Austell, GA (770) 944-4575						
<i>Geotex 104F (W)</i>		■		■ <i>f, m</i>		
<i>Geotex 106F (W)</i>						S
<i>Geotex 250ST (W)</i>					■	
<i>Geotex 315ST (W)</i>	■					
<i>Geotex 601 (NW)</i>		■			■	
<i>Geotex 801 (NW)</i>	■		■		■	
<i>Geotex 2130 (W)</i>						U
SKAPS Industries Athens, GA (706) 354-3700						
<i>SKAPS GT-160 (NW)</i>		■			■	
<i>SKAPS GT-180 (NW)</i>	■		■			
<i>SKAPS M706 (W)</i>		■				
<i>SKAPS SW315 (W)</i>	■					
<i>SKAPS W250 (W)</i>					■	
TENCATE Geosynthetics North America Pendergrass, GA 30567 (860) 675-9200						
<i>Mirafi 160N (NW)</i>		■			■	
<i>Mirafi 180N (NW)</i>	■		■			
<i>Mirafi 550X (W)</i>					■	
<i>Mirafi 600X (W)</i>	■				■	
<i>Mirafi FW 404 (W)</i>		■ <i>c</i>		■ <i>c</i>		
<i>Mirafi FW 700 (W)</i>		■ <i>f, m</i>		■ <i>f, m</i>		
US Fabrics, Inc. Cincinnati, OH (513) 271-6000						
<i>US 160NW (NW)</i>		■			■	
<i>US 205NW (NW)</i>	■		■			
<i>US 250 (W)</i>					■	
<i>US 315 (W)</i>	■					
<i>US 670 (W)</i>		■		■		
Willacoochee Industrial Fabrics, Inc. Willacoochee, GA (912) 534-5757						
<i>315W (W)</i>	■				■	
<i>1211 (W)</i>						■
<i>2199 (W)</i>		■		■		

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LEGEND: (W)=Woven, (NW)=Non woven, (P)=Needle punched, (SF)=Slit Film, (C)=Combination, (M)=Monofilament.

GENERAL NOTES: Geotextiles are generally polypropylene unless otherwise noted, for example: polyester=PET. Non woven fabrics typically have elongation properties equal to or greater than 50%, while woven fabrics have typically less than 50% elongation. Please contact vendor for specific properties. Fabrics whose use is limited by soil conditions are note above as: *f(fine)* =>50%, *m(medium)* = 15%-50%, *c(coarse)* = < 15% In-Situ Passing #200 sieve

Silt Fence Notes: S=must be Supported with a mesh and 1.2 m post spacing, US1.2=may be used Unsupported with a 1.2 m post spacing, US2=may be used unsupported with a 2 m post spacing. Listed items meet AASHTO's M-288-00, Section 8, "Temporary Silt Fence Requirements".

Geotextile Certification & Submittal Requirements:

For Contractors: The Contractor shall provide to the Engineer a certificate stating the name of the manufacturer, product name, style number, chemical composition of the filaments or yarns, and other pertinent information to fully describe the geotextile.

For Manufacturers: The Manufacturer is responsible for establishing and maintaining a quality control program to assure compliance with the requirements of the specification. Documentation describing the quality control program shall be made available upon request. Mislabeling or misrepresentation of materials shall be grounds for rejection of those products and removal from the Qualified Products List. The manufacturer's certificate shall state that furnished geotextile meets minimum average roll value (MARV) requirements of the specification as evaluated under the manufacturer's quality control program. A person having legal authority to bind the manufacturer shall attest to this certificate.

MaineDOT only accepts geotextiles that have been tested by the National Transportation Product Evaluation Program (NTPEP). Manufacturers wishing to have their products approved for use in Maine should review the latest revision of our Standard Specifications and submit those products that meet our Specifications for a particular classification of material. While the Department does not have a Specification for silt fence, Manufacturers should identify which products meet the latest revision of AASHTO's M-288 Geotextile Specification for Highway Applications - Temporary Silt-Fence requirements. Manufacturer's shall submit a notarized letter of testing certification stating that the submitted products meet our Specifications. Re-certification, along with any product updates, name changes, re-formulations, or deletions from the product line shall be required on a yearly basis thereafter in order to remain on the Qualified Products List.

Shipment and Storage:

Labeling, shipment, and storage shall conform to ASTM 4873. Product labels shall clearly show the manufacturer or supplier name, style name, and roll number. Each shipping document shall include a notation certifying that the material is in accordance with the manufacturer's certificate. Each roll shall be wrapped with a material that will protect the geotextile, including the ends of the roll, from damage due to shipment, water, sunlight, and contaminants. The protective wrapping shall be maintained during periods of shipment and storage.

Stored rolls shall be kept well elevated off the ground and adequately covered to protect them from the following: site construction damage, precipitation, extended ultraviolet radiation including sunlight, chemicals that are strong acids or strong bases, flames including welding sparks, temperatures in excess of 71°C (160°F), and any other environmental condition that may damage the physical property values of the geotextile.

Construction and Installation:

Atmospheric exposure of geotextiles to the elements following lay down shall be a maximum of 5 days to minimize damage potential.

If a sewn seam is to be used for the seaming of the geotextile, the thread used shall consist of high strength, Kevlar aramid, polyethylene, polyester, or polypropylene and shall have the same or greater durability as the geosynthetic being seamed. Nylon thread shall not be used.

For erosion control applications, the thread shall also be resistant to ultraviolet radiation. The thread shall be of contrasting color to that of the geotextiles itself.

For seams sewn in the field, the contractor shall submit the seam assembly description along with the sample of the seam, see Standard Specification 620.04 for particulars. The description shall include the seam type, stitch type, sewing thread, and stitch density. To facilitate inspection all seams shall be placed with the seam up so that repairs can easily be made if faulty seams are encountered during inspection, as shown on the Standard Detail.