Maine Department of Transportation Qualified Product List

GEOTEXTILES

Meeting Standard Specification Revision of December 2002, Sections 620 722

Manufacturer / Supplier *List of Specified Products*	**Latest NTPEP Test**	**Structure**	**AASHTO Survivability Class**	**722.01 Stabilization / Reinforcement Geotextile**	**722.02 Drainage Geotextile**	**722.03 Erosion Control Geotextile**	**722.04 Separation Geotextile**
Belton Industries, Inc. **Belton, SC** **(800) 845-8753**							
Beltech 250, Style 1475	GTX-2009-04-004	W-SF	2				X
Beltech 315, Style 977	GTX-2009-04-005	W-SF	1	X			
Fiberweb, Inc. **Old Hickory, TN** **(800) 382-6271**							
Typar 3601	GTX-2007-09-001	NW	2				X
GSE Lining Technology. Inc. **Houston, TX** **(800) 435-2008**							
NW 6	(2011)	NW-P	2		X		X
NW 8	(2011)	NW-P	1			X	
Propex Geosynthetics **Chattanooga, TN** **(800) 621-1273**							
Geotex 104F	GTX-2010-01-013	W-MF	2		X	f,m	
Geotex 250ST	GTX-2010-04-001	W-SF	3				X
Geotex 315ST	GTX-2010-02-027	W-SF	1	X			
Geotex 601	GTX-2009-07-023	NW-P	2		X		X
Geotex 801	GTX-2011-04-013	NW-P	1	X		X	X
SKAPS Industries **Athens, GA** **(706) 356-3700**							
GT160	GTX-2009-07-011	NW-P	2		X		X
GT180	GTX-2009-07-013	NW-P	1	X		X	
M706	GTX-2011-04-020	W-MF	2		X		
W250	GTX-2011-04-014	W-SF	2				X
TenCate Geosynthetics **Pendergrass, GA** **(800) 685-9990**							
Mirafi 160N	GTX-2011-03-011	NW-P	2		X		X
Mirafi 180N	GTX-2011-03-012	NW-P	1	X		X	
Mirafi 550X	GTX-2009-07-001	W-SF	2				X
Mirafi 600X	GTX-2010-04-011	W-SF	1	X			X
Mirafi FW404	GTX-2010-04-010	W-MF	2		c	c	
Mirafi FW700	GTX-2011-03-013	W-MF	2		f, m	f,m	

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US Fabrics, Inc. Cincinnati, OH (513) 271-6000							
US 160NW	GTX-2010-02-023	NW-P	2		X		X
US 205NW	GTX-2010-02-010	NW-P	1	X		X	
US 250	GTX-2010-02-019	W-SF	2				X
US 315	GTX-2010-02-013	W-SF	1	X			
US 670	GTX-2010-02-014	W-MF	2		X	X	
Willacoochie Industrial Fabrics Willacoochie, GA (912) 534-5757							
WINFAB 250W	GTX-2011-02-026	W-SF	2				X
WINFAB 315W	GTX-2011-02-027	W-SF	1	X			X
WINFAB 600N	GTX-2009-07-046	NW-P	2		X		X
WINFAB 800N	GTX-2009-07-048	NW-P	1	X		X	
WINFAB 2199	GTX-2011-02-024	W-MF	2		X	X	

LEGEND: (W)=Woven, (NW)=Non woven, (-P)=Needle punched, (-SF)=Slit Film, (-MF)=Monofilament.
(X)=acceptable for use. Fabrics for use with specific soil conditions indicated by code (see explanation below).

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 noted above as: *f(fine)* =>50%, *m(medium)* =15%-50%, *c(coarse)* =<15% In-Situ Passing #200 sieve

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 completed testing by the National Transportation Product Evaluation Program (NTPEP). Manufacturers wishing to have their products prequalified for use in Maine should review the latest revision of our Standard Specifications and submit only those products that meet our current Specification for a particular classification of geotextile.

Manufacturers 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 Approved 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, form 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 71ºC (160ºF), 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.