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Qualified Product List : Geotextiles, February 3, 2014

Maine Department of Transportation

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Maine Department of Transportation Qualified Product List
GEOTEXTILES
Meeting the latest revision of Maine Standard Specifications, Section 722

Manufacturer/Supplier <i>List of Prequalified Products</i>	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 Belton, SC (800) 845-8753							
Beltech 250, Style 1475	2013-01-061	SF-W	2				X
Beltech 315, Style 977	2013-01-058	SF-W	1	X			
Polymer Group, Inc. Old Hickory, TN (800) 382-6271							
TYPAR C1-SDE	2012-02-012	HB-NW	1	X	m,c	Not for use as Class 2 where in situ soils have <15% passing #200 sieve	X
TYPAR C2-SDE	2012-02-011	HB-NW	2		f,m	f,m	X
TYPAR 3100T	2012-02-018	HB-NW	1	X	Not for use as Class 2 where in situ soils have <15% or 15 to 50% passing #200 sieve	Not for use as Class 2 where in situ soils have <15% or 15 to 50% passing #200 sieve	X
TYPAR 3501G	2012-02-015	HB-NW	2			X	X
TYPAR 3601G	2012-02-016	HB-NW	1				X
TYPAR 3801G	2012-02-017	HB-NW	1	X	f,m	f,m	X
GSE Lining Technology, Inc. Houston, TX (800) 435-2008							
NW 6	(2011)	NP-NW	2		X		X
NW 8	(2011)	NP-NW	1			X	
Propex Operating Company, LLC Chattanooga, TN (800) 621-1273							
Geotex 104F	2013-01-072	MF-W	2		X	f,m	
Geotex 250ST	2012-01-024	SF-W	3				X
Geotex 315ST	2012-01-022	SF-W	1	X			
Geotex 601	2012-01-030	NP-NW	2		X		X
Geotex 801	2012-01-021	NP-NW	1	X		X	X
SKAPS Industries Athens, GA (706) 354-3700							
8	GTX-2012-02-004	NP-NW	2		X		X
GT180	GTX-2012-02-006	NP-NW	1	X		X	
M706	GTX-2011-04-020	MF-W	2		X		
W250	GTX-2011-04-014	SF-W	2				X

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TenCate Geosynthetics Americas Pendergrass, GA (888) 795-0808							
Mirafi 160N	GTX-2012-01-003	NP-NW	2		X		X
Mirafi 180N	GTX-2012-01-047	NP-NW	1	X		X	
Mirafi 600X	GTX-2010-04-011	SF-W	1, 2, 3	X			X
Mirafi FW404	GTX-2012-01-008	MF-W	2		c	c	
Mirafi FW700	GTX-2012-01-004	MF-W	2		f, m	f, m	
US Fabrics, Inc. Cincinnati, OH (513) 271-6000							
US 160NW	GTX-2010-02-023	NP-NW	2		X		X
US 205NW	GTX-2010-02-010	NP-NW	1	X		X	
US 250	GTX-2010-02-019	SF-W	2				X
US 315	GTX-2010-02-013	SF-W	1	X			
US 670	GTX-2010-02-014	MF-W	2		X	f, m	
Willacoochie Industrial Fabrics Inc. Willacoochie, GA (912) 534-5757							
WINFAB 250W	GTX-2011-02-026	SF-W	2				X
WINFAB 315W	GTX-2011-02-027	SF-W	1	X			X
WINFAB 600N	GTX-2013-01-014	NP-NW	2		X	X	X
WINFAB 800N	GTX-2013-01-012	NP-NW	1	X		X	
WINFAB 2199	GTX-2011-02-024	MF-W	2		X	X	
Edge Tech, LLC Brentwood, TN (866) 724-3134							
ET2500	GTX-2011-03-038	SF-W	2				X
ET3000	GTX-2011-03-040	SF-W	1	X			X

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

GENERAL NOTES: Non woven fabrics typically have elongation properties equal to or greater than 50%, while woven fabrics typically have less than 50% elongation.
 Please contact vendor for specific properties.
 Fabrics whose use is limited by soil conditions ar m

Geotextile Certification & Submittal Requirements:

For Contractors: The Contractor shall provide the Engineer with 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 MaineDOT Section 722. Documentation describing the quality control program shall be made available upon request. Mislabeling or misrepresentation of materials shall be

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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 evaluates geotextiles that have completed testing by AASHTO's National Transportation Product Evaluation Program (NTPEP). Effective January 1, 2014, manufacturers are also required to participate in, and maintain compliance with NTPEP's audit program for geotextiles. Geotextiles provided to MaineDOT projects after March 1, 2014 must be clearly printed with identifying information as described in the NTPEP Geotextile audit work plan.

Manufacturers shall submit a notarized certification letter 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 every five years 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.