



QCML Criteria Geotextile Fabrics

For a Geotextile Fabric (GTX) to be listed on the Qualified Construction Materials List (QCML), a product must be evaluated by AASHTO's National Transportation Product Evaluation Program (NTPEP) and meet the requirements of Subsection M9.50.0 of MassDOT's Standard Specifications.

MassDOT Evaluation

MassDOT Research & Materials (RMS) shall evaluate the NTPEP data, according to AASHTO M288, into the following applications of geotextiles allowed:

- Subsurface Drainage
- Separation
- Stabilization
- Permanent Erosion Control
- Temporary Silt Fence (Supported)
- Temporary Silt Fence (Unsupported)

Application	Class	Permittivity (min)	AOS (max)	UV Stability (min)	Notes
Subsurface Drainage	1,2	0.5	0.22	50%	Slit Film Woven excluded
Separation	1	0.02	0.6	50%	
Stabilization	1	0.05	0.43	50%	
Permanent Erosion Control	1,2 (For Woven); 1 (For Non-woven)	0.1	0.22	50%	

Application	Min. Grab Strength (N)	Permittivity (min)	AOS (max)	UV Stability (min)
Temporary Silt Fence (Supported)	400	0.05	0.6	70%
Temporary Silt Fence (Unsupported)	550	0.05	0.6	70%

Product Listing, Expiration, and Re-Approval

Once approved, the GTX will be listed on the MassDOT QCML. The product shall remain on the approved list for three (3) years unless one of the following occurs:

- If the manufacturer does not have the product reevaluated by NTPEP in accordance with the NTPEP GTX workplan.
- If the product's technology changes.
 - If the product formulation or technology changes, the manufacturer shall notify MassDOT RMS.
 - Manufacturers must resubmit products to NTPEP for testing upon any reformulation of the product.
- MassDOT RMS determines that the product no longer meets the minimum requirements.

A written request for re-approval must be submitted to the Department at least 60 days prior to the expiration date for the product to remain on the QCML