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Qualified Products List of Macro-Synthetic Fibers for Concrete Reinforcement, December 3, 2013

Maine Department of Transportation

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Maine Department of Transportation
 Qualified Products List of
 Macro-Synthetic Fibers for
 Concrete Reinforcement

Manufacturer	Product Name	Fiber Length
ABC Polymer Industries, LLC 545 Elm Street Helena, AL 35080 (724) 475-1177 www.abcpolymerindusties.com	MacroPro	1-½" & 2"
	Performance Plus DOT	1-½" & 2"
	Tuf-Max DOT	1-½" & 2"
Advanced Fiber Solutions, Inc. 403 Powderhorn Road Laurens, SC 29360 (800) 351-5410 www.advancedfibersolutionsinc.com	ULTIMAX	1.5"
BASF Corporation 23700 Chagrin Boulevard Cleveland, OH 44122-5544 (800) 628-9990 www.master-builders-solutions.basf.com	MasterFiber MAC 100	1.5"
Elasto Plastic Concrete PO Box 460 Waxhaw, North Carolina 28173 (877) 622-7244 www.elastoplastic.com	BarChip48	1.87" (48mm)
The Euclid Chemical Company 19218 Redwood Rd. Cleveland, OH 44110 (216) 531-9222 www.euclidchemical.com	Tuf-Strand SF	2"
Forta Corporation 100 Forta Drive Grove City, PA 16127 (800) 245-0306 www.fortacorp.com	Forta Ferro	1-½" & 2-¼"
Nycon Corporation 300 Ben Fairless Drive Fairless Hills, PA 19030 (800) 456-9266 www.nycon.com	NyconXL	1-½" & 2"
Propex Concrete Systems 6025 Lee Highway Suite 425/PO Box 22788 Chattanooga, TN 37422 (800) 621-1273 www.fibermesh.com	Fibermesh 650	Graded
	Novomesh 950	Multi-Design Gradation
PSI Packaging, Inc. 1129 S. Chattanooga Street LaFayette, GA 30728 (800) 858-5671 www.psifibers.com	MaxTen Fibers	1-½" & 2-¼"
W.R.Grace & Co.-Conn. 62 Whittemore Avenue Cambridge, MA 02140-1692 (617) 876-1400 www.graceconstruction.com	STRUX™ 90/40	1.55" (40mm)

Note: Per MaineDOT Specification, use of fiber reinforcement is only allowed for drainage structures with a maximum inside diameter of 4'.

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This list represents material(s) designed/tested and approved as a replacement for 6" x 6", #10 gauge welded wire fabric when used at the prescribed dosage rates for the construction of manhole and catch basin structures as allowed under Maine DOT Standard Specification, 712.06 Precast Concrete Units. These fibers are NOT meant to be a replacement for any required reinforcing steel (rebar).

Minimum dosage rate in pounds of fibers per cubic yard is established by determining an average residual strength of no less than 150 psi when tested in accordance with ASTM C1399. In all cases, ensure a minimum fiber dosage rate of 5 lbs/yd³ and a maximum fiber dosage rate of 10 lbs/yd³.

PLEASE NOTE: Products often times may have multiple uses. Products appearing on this particular list are expressly pre-qualified for this category of usage only. Do not use these products for any other application unless this product is noted on other lists.

Sales Representatives seeking approval of a new product should submit their product's Materials Technical Data Sheet, Instructions for Installation, Material Safety Data Sheet, and a completed copy of the [MaineDOT Preliminary Information for Product Evaluation Form](#).

If you are experiencing difficulties reading or printing this page, or any page on the Qualified Products List website, please contact the Product Evaluation Coordinator at 207-624-3268.

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