



THE EUCLID CHEMICAL COMPANY

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FIBERSTRAND 150 ML

MULTIFILAMENT POLYPROPYLENE FIBER REINFORCEMENT FOR CONCRETE

FIBERSTRAND 150 ML is a 100% virgin polypropylene engineered multifilament fiber designed specifically for secondary reinforcement for concrete. Each bag of FIBERSTRAND 150 ML contains a blend of fibers with lengths of 1/4", 1/2" and 3/4". FIBERSTRAND 150 ML fibers are designed to totally disperse into the concrete mix when added at the batch plant or at the job site. Used at a typical dosage of 2/3 lb. per cubic yard of concrete, testing has shown that FIBERSTRAND 150 ML reduces plastic shrinkage cracking by more than 76%. (Test data available upon request.)

PRIMARY APPLICATIONS

- Flatwork of industrial, commercial and residential concrete projects
- Footings, foundations, walls, and tanks
- Concrete pipe, burial vaults and prestressed beams

FEATURES / BENEFITS

Plastic Concrete

- Controls or eliminates plastic shrinkage cracking
- Reduces segregation
- Minimizes bleed water
- Provides three-dimensional reinforcing versus two-dimensional wire mesh

Hardened Concrete

- Reduces cracking
- Reduces permeability
- Increases surface durability
- Increases post-crack strength

Other

- Reduces in-place cost versus concrete with wire mesh
- Allows faster form removal
- Totally safe compared to extruded reinforcing mesh
- Easy to use and can be added to the concrete mix at any time prior to concrete placement

Shelf Life: 3 years in original, unopened container.

TECHNICAL INFORMATION

Typical Engineering Data

Material	Polypropylene
Specific Gravity	0.91
Alkali Resistance	Excellent
Chemical Resistance	Excellent
Acid and Salt Resistance	High
Tensile Strength	97 Ksi avg (0.67 KN/sq mm)
Modulus (Young's)	580 Ksi (4.0 KN/sq mm)
Melt Point	330° F (165° C)
Ignition Point	1100° F (600° C)
Absorption	Nil
Density, bulk	56 lbs/cu ft (approx)
Density, loose	15-25 lbs/cu ft (approx)
Dosage (normal)	2/3 lbs/cu yd
Fiber Length (normal)	Multi-Length Cut
Form	Monofilament Polypropylene
Color	White
Fiber Count	54 Million/lb

SPECIFICATIONS/COMPLIANCES

- Complies with the applicable portion of International Conference of Building Officials (ICBO) Acceptance Criteria AC32.
- Approved by the Underwriters Laboratories, Inc. classification for fiber reinforcement in the UL Fire Resistance Directory
- Conforms to ASTM C-1116, Type III, Synthetic Fiber-Reinforced Concrete and Shotcrete

PACKAGING

FIBERSTRAND 150 ML is packaged in 0.75 lb (0.34 kg), 1.0 lb (0.45 kg), and 1.5 lb (0.68 kg) water dispersible bags as well as concrete dosage rates of 1 cubic yard (0.77 cubic meter), 8 cubic yard (6.1 cubic meter), 9 cubic yard (6.9 cubic meter) and 10 cubic yard (7.7 cubic meter) in polyethylene bags.