



THE EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD • Cleveland, OH 44110
(216) 531-9222 • (800) 321-7628 • FAX (216) 531-9596
www.euclidchemical.com

FIBERSTRAND F

◆ ◆ ◆ ◆ ◆
**FIBRILLATED POLYPROPYLENE FIBER
REINFORCEMENT FOR CONCRETE**

- XENG.SPECS** ◆ **CATALOG INDEX**
- ◆ **MSDS** ◆ **SECTION INDEX**
- XFRENCH** ◆ **PRINT**
- XSPANISH** ◆ **EXIT CATALOG**

FIBERSTRAND F is a 100% virgin polypropylene engineered fibrillated fiber designed specifically for secondary reinforcement for concrete. FIBERSTRAND F 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 1.5 lb. per cubic yard of concrete, testing has shown that FIBERSTRAND F reduces plastic shrinkage cracking by more than 88%. (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

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)	1.5 lbs/cu yd
Fiber Length. (normal)	3/4"
Form	Fibrillated Polypropylene
Color	White
Fiber Count	8-12 Million/lb

SPECIFICATIONS/COMPLIANCES

- Complies with the applicable portion of the 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 F 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.

DIRECTIONS FOR USE

FIBERSTRAND F can be added at any time prior to placement of the concrete. It is recommended that it be added at the ready-mix concrete plant during batching, but is equally effective when introduced at the job site. FIBERSTRAND F must be mixed with the concrete for a minimum of 3 minutes at maximum drum speed to assure total dispersion and uniformity.



Form Fiberstrand F-8.00

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.