

DESCRIPTION

FiberForce 150 is a monofilament microfiber manufactured from 100% virgin homopolymer polypropylene resins. FiberForce 150 fibers are used primarily as plastic shrinkage crack control reinforcement in concrete. The finishability attributes associated with this technology (limited to no exposed surface fibers) make FiberForce 150 a great choice in residential applications.

PROPERTIES

Material	100% Virgin Polypropylene
Absorption	None
Specific Gravity	0.91
Alkali, Salt, and Acid Resistance	High
Melting Point	320°F (160°C)
Electrical Conductivity	Low
Standard Length	0.75 in (19 mm)
Other Available Lengths	0.25 in (6 mm), 0.5 in (13 mm) and Multi-Length

FEATURES & BENEFITS

- Plastic shrinkage crack control
- Plastic settlement crack control
- Uniform distribution
- Excellent finishability
- Reduces permeability, thus increasing freeze-thaw durability
- Increases concrete durability - including impact and abrasion resistance

APPLICATIONS

- Slabs-on-ground
- Driveways/sidewalks
- Topping/overlay slabs
- Water retention tanks
- Pool decks/stucco
- Decks and patios
- Shotcrete
- Precast

MIXING INSTRUCTIONS

FiberForce 150 is packaged in preweighed water-soluble bags. FiberForce 150 can be preloaded in empty ready-mix drums or added anytime during or after concrete is batched. Mix for 5 minutes at full charging speed (75-100 revolutions) to ensure complete dispersion of fibers.

PACKING & STORAGE

FiberForce 150 is packaged in 0.5 lb, 0.75 lb, and 1.0 lb bags then palletized for shipment. Pallets and boxes are labeled with the fiber technology and bag weight. Store material in a dry environment. Avoid storing in direct sunlight.

GENERAL SPECIFICATIONS

The standard dosage rate is 1.0 lb/yd³. FiberForce 150 should be added per project specifications or engineer's instructions.

PRODUCT APPROVALS AND COMPLIANCE WITH INDUSTRY STANDARDS

- ASTM C1116: Section 4.1.3 and Note 2
- ASTM D7508
- UL Classified
- ICC ESR-1699
- ICC ES AC32 Section 3.1.1



TECHNICAL SUPPORT

In-house professional engineers are available for product specification guidance and design support. FullForce technical sales managers are available to assist with field support and guidance related to the use of any FullForce technologies.

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