

DESCRIPTION

FiberForce 100 is an ultra-fine denier monofilament microfiber manufactured from 100% virgin homopolymer polypropylene resins. FiberForce 100 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 100 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 100 is packaged in preweighed water-soluble bags. FiberForce 100 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 100 is packaged in 0.5 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 0.5 lb/yd³. FiberForce 100 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.

LIMITED EXPRESS WARRANTY, DISCLAIMER OF IMPLIED WARRANTIES AND LIMITATION OF LIABILITY: As used herein, the term “FiberForce” is a product sold by ABC Polymer Industries, LLC and its subsidiaries (“ABC”). The terms of ABC’s invoices including this warranty and limitation of liability, without limitation, shall be governed by and construed in accordance with the laws of the State of Alabama where it was manufactured and from where it was shipped. FiberForce fibers are intended to reduce plastic shrinkage cracking but should not be used as structural reinforcement. ABC’s warranty is solely to the purchaser (and no other party) and (1) is limited to a period of 180 days from the date of its invoice and (2) is that the product sold is of good quality and conforms to the seller’s most recent published standards and specifications. ABC expressly disclaims any and all other warranties including, without limitation, merchantability and fitness for particular purpose. The seller’s sole liability for any claim shall be limited to the cost of replacement of defective or non-conforming product, and not for any of purchaser’s other alleged costs. In no event shall the seller be liable for any special, incidental, consequential, liquidated, punitive, or exemplary damages, or for claims of lost profits or lost jobs. Purchaser itself shall determine the suitability of the product(s) for its own particular application. ABC engineering and sales personnel are available to assist in providing information to allow purchaser to select the appropriate fiber for a given application, and will provide an overview of anticipated performance based upon experience and testing data. ABC personnel will provide information as requested but the design and implementation of purchaser’s product is solely the responsibility of purchaser. ABC will provide on-site support as requested and when deemed necessary but will not participate in the supervision of any project, or be responsible for its installation or outcome. FullForce’s responsibility is to support our customers and to provide our customers with the best materials and assistance in marketing these products. © 2023 FullForce by ABC Polymer Industries, LLC