

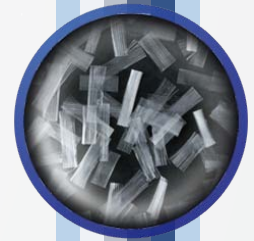
FRC FIB-300

SPECIALIZING IN CRACK-CONTAINMENT



DESCRIPTION

FRC FIB-300 fibers are manufactured from 100% virgin polypropylene resin and exceed the requirements of ASTM C-1116 "Standard Specification for Fiber-Reinforced Concrete and Shotcrete". They are fibrillated fibers that are specifically engineered for use in concrete as secondary reinforcement and controlling plastic shrinkage and settlement cracking. FIB-300 is a multi-length fiber that is designed for early age crack-control but also can be used as secondary reinforcement.



SPECS

SPECIFIC GRAVITY	.91	IGNITION POINT	590 C
ABSORPTION	NIL	TENSILE STRENGTH	40-60 KSI
MELT POINT	160 C	MODULUS OF ELASTICITY	600 KSI
ALKALI RESISTANCE	EXCELLENT	CHEMICAL RESISTANCE	EXCELLENT
FIBER LENGTH	1/2" & 3/4"		

MANUFACTURED TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODES & ASTM C-1116

BENEFITS



PLASTIC SHRINKAGE

Depending on dosage, FIB-300 eliminates 70 to 100% of cracking.



SAVES TIME & MONEY

FIB-300 is more economical than welded wire mesh.



SAFETY

Safety is paramount. FIB-300 provides a safe alternative to dangerous welded wire mesh.



NON-CORROSIVE

Fibers will not rust in the concrete.



DURABILITY

FIB-300 improves the impact, shatter and abrasion resistance.

GUIDELINES

FRC FIB-300 fibers may be used for secondary reinforcement as well as control plastic shrinkage cracking in concrete. They should not be used to replace structural reinforcement or to increase joint spacing beyond ACI or PCA recommendations. FIB-300 fibers should be added at a minimum dosage rate of 1.5 lbs per cubic yard unless otherwise specified. Lower addition rates may be acceptable depending on local building codes.

MINI SPECIFICATIONS

Fiber Reinforced Concrete shall consist of fibrillated fibers made of 100% virgin polypropylene containing no reprocessed olefin materials and specifically engineered and manufactured for use in concrete as secondary reinforcement. Fibers shall meet the requirements of ASTM C-1116 Type III and shall be in a combination of 1/2" and 3/4" in length. They shall be 1,000 to 1,500 denier. Dosage rate shall be on plans.

Fibers shall be FRC FIB-300 fibers manufactured by FRC INDUSTRIES: 1655 North McFarland Blvd, Box 186, Tuscaloosa, AL 35406 - 888-783-2517 or Equal.

MIXING, PLACING & FINISHING

FRC FIB-300 can be added before, during or after batching of the concrete. Care should be taken to make sure fibers are not added to the tail end of a high slump mix. Mixing should conform to ASTM C94 with a minimum of 75 revolutions of the drum at full mixing speed to ensure uniform distribution of the fibers.

These fibers can be pumped and placed using conventional equipment. Normal finishing equipment and techniques can be used when working with FRC FIB-300 fibers.

REFERENCE DOCUMENTS

ACI 302 Guide for Concrete Floor and Slab Construction

ACI 506 Guide for Shotcrete

ASTM C1399 Standard Test Method for obtaining Average Residual Strength of FRC

ASTM C94/C94M Standard Specification for Ready-Mixed Concrete

ASTM C1609/C1609M Standard Test Method for Flexural Performance of FRC

ASTM C1116/C1116M Standard Specification for FRC

WARRANTY & LIMITATION OF LIABILITY

Product sold herein is of merchantable quality to seller's standards and specifications. Seller's sole liability for claim shall be limited to replacement of defective or nonconforming product. In no event shall seller be liable for any special, incidental, consequential, or exemplary damages.



INDUSTRIES

www.frcindustries.com

888-783-2517

1655 North McFarland Blvd Box 186 Tuscaloosa, AL 35406



PRODUCT CERTIFICATION

FRC FIB-300

This letter is to certify that FRC FIB-300 meets or exceeds the requirements for ASTM C-1116-10a type III "Standard Specification for Fiber-Reinforced Concrete and Shotcrete", International Building Code, & Florida Building Code. Our FIB-300 Fiber is made from 100% virgin Polypropylene resin designed specifically for use as concrete reinforcement. The fiber is designed to control plastic shrinkage cracking in the concrete mix.

We certify that the FIB-300 fibers reduce plastic settlement and plastic shrinkage of the mix, while improving the impact, abrasion, and shatter resistance of the concrete. Our Fiber also improves the fatigue endurance and ductility of the concrete.

FRC INDUSTRIES is proud to label our Fibrillated Fiber as a "Made in America" Product

FRC FIB-300 Conforms to the physical properties below:

Property	FRC FIB-300
Fiber Length	1/2" & 3/4" Multi-Length
Denier	1000 - 1500
Specific Gravity	0.91
Material	100% Virgin Polypropylene
Tensile Strength	40-60 ksi
Modulus of Elasticity	500 ksi
Acid & Salt Resistance	High

I certify that FRC FIB-300 is in compliance with the above specifications and physical property criteria.

A handwritten signature in blue ink, appearing to read 'R. Banks'.

Rill Banks

CRACK-CONTAINMENT