

PRODUCT DATA

FRC BI-BLEND 300 FIBRILLATED FIBER

FRC BI Blend fibrillated fibers are a blend of fibers manufactured from 100% homopolymer, virgin polypropylene resin, containing no reprocessed olefin materials, and in compliance with ASTM C-1116-97 "Standard specification for fiber-reinforced concrete and shotcrete. FRC BI Blend fibers are specifically engineered for use in concrete as secondary reinforcement, and for the purpose of controlling plastic shrinkage, settlement cracking, as well as entry level crack containment. FRC BI Blend fibers comply with requirements as defined in the 1997 Uniform Building Code-ICOB, and in the National Building Code-SBCCI.

MANUFACTURER'S RECOMMENDATIONS

FRC synthetic fibers should be added at a dosage rate of 0.1% by volume, unless otherwise specified. Matrix fibers are packaged in pre-measured, ready for concrete, water soluble bags, designed to be introduced to the mix at any time before, during, or after the Ready-Mixed Concrete. FRC recommends proper mixing procedures as specified in ASTM C94.

TECHNICAL INFORMATION

Physical Properties

Fiber Length	1/2" & 3/4"	Tensile Strength (Genesis)	70-110 ksi
Absorption	Nil	Modulus of Elasticity	500 ksi
Specific Gravity	.91	Chemical Resistance	Excellent
Melting Point	160° C	Alkali Resistance	Excellent
Ignition Point	590° C	Dosage Range	1.5-3.0 lbs per yd ³

Manufactured to requirements of ASTM C-1116-97 Type III 4.1.3

PLACEMENT AND FINISHING

FRC recommends the standard practices detailed in the ACI 302 for placing, finishing, jointing, and curing concrete to be followed when using synthetic fiber.

FIBER MINI SPECIFICATION

Use only 100% virgin fibrillated polypropylene fibers containing no reprocessed olefin materials and specifically engineered and manufactured for use in concrete per ASTM C-1116-97 Type III as secondary reinforcement. Fibers shall be a blend of 1/2" and 3/4" length. FRC BI Blend 300 as manufactured by FRC Industries.

Follow guidelines in ACI 302 for proper placing, finishing, control jointing, and curing. Consult fiber representative for any further questions.

WARRANTY AND 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.

OFFERED BY FRC



ADVANTAGES:

- Always positioned properly
- Multi-dimensional reinforcement
- Reduces plastic shrinkage cracking
- Approved alternative method to Welded Wire Fabric, when used as a secondary reinforcement in plain concrete slabs on grade
- Improves impact/shatter/abrasion resistance
- Enhanced durability and toughness
- Reduces permeability



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REINFORCING QUALITY

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