



Synthetic Resources, Inc.
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PRODUCT DESCRIPTION:

FIBERNET Concrete Fibers are 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." **FIBERNET Concrete Fibers** are specifically engineered for use in concrete as secondary reinforcement, and for the purpose of controlling plastic shrinkage and settlement cracking.

FIBERNET Concrete Fibers comply with requirements as defined in the 1997 Uniform Building Code – ICBO, and in the National Building Code – SBCCI.

PRODUCT BENEFITS:

- Always positioned properly – providing multi-dimensional reinforcement
- Reduces the formation of plastic shrinkage cracking in concrete
- Approved alternative method to Welded wire Fabric, when used as secondary reinforcement in plain concrete slabs on grade
- Improves impact, shatter and abrasion resistance
- Enhanced durability and toughness
- Reduces permeability

PHYSICAL PROPERTIES:

Specific gravity.....	0.91	Ignition Point.....	590° C
Tensile Strength (Fibrillated).....	70-110 ksi	Melt Point.....	160° C
Modulus of Elasticity.....	500 ksi	Absorption.....	Nil
Chemical Resistance.....	Excellent	Alkali Resistance...	Excellent

Available Fiber Cut Lengths: ¼", ½", ¾", 1 ½", 2"

PRODUCT APPROVALS:

1. ICBO Evaluation Service, Inc.....Report # ER-5359
2. SBCCI Public Safety & Evaluation Services, Inc.....Report # 9505 F
3. Manufactured to UL specifications for Floor-Ceiling Assembly fire Classifications: Underwriters Laboratories (UL) on series D700 and D800 metal deck assemblies
4. Manufactured to the requirements of:.....ASTM C-1116-97 Type III 4.1.3
5. Kansas Department of Transportation Approved Vendors List, PQL 43

MANUFACTURER'S RECOMMENDATIONS:

FIBERNET Concrete Fibers should be added at a dosage rate of 0.1% by volume, unless otherwise specified. **FIBERNET Concrete Fibers** are packaged in pre-measured, ready for concrete degradable bags – designed to be introduced into the mix at any time before, during or after the Ready-Mixed concrete. **FIBERNET** recommends proper mixing procedures as specified in ASTM C 94.

Dosage Rates:

Fibrillated, collated fibers.....1.5 lbs./Cu. Yd. (0.9 kg/Cu. M)
Multifilament fibers, 7-15 denier.....1 lb/Cu. Yd. (0.6 kg/Cu. M)

Placement and Finishing:

FIBERNET recommends that the standard practices detailed in ACI 302 for placing, finishing and curing concrete be followed when using Fibernet Concrete Fibers.

FIBERNET hopes the information given herein is helpful. All information is based on test data and knowledge considered to be true and accurate, and is offered for the user's consideration, investigation and verification. No warranty is expressed or implied regarding the results to be obtained from the use thereof. Each user must determine the suitability of the product(s) for their own particular application.

ARCHITECTURAL SPECIFICATOIN (Mini Spec):

1. Use only 100% virgin fibrillated polypropylene fibers containing no reprocessed olefin materials and specifically engineered and manufactured for use in concrete as secondary reinforcement.
2. Use only 100% virgin multifilament polypropylene fibers containing no reprocessed olefin materials and specifically engineered and manufactured for use in concrete as secondary reinforcement.

Fibers are for the control for cracking due to drying shrinkage and thermal expansion and contraction, lowered permeability, increased impact, abrasion and shatter resistance. Fiber manufacturer must be in compliance with applicable building codes and ASTM C-1116 Type III, 4.1.3 as manufactured by Polymer Group, Inc., Kingman, KS for Synthetic Resources, Inc./

FIBERNET

WARRANTY AND LIMITATION OF LIABILITY:

Product sold hereunder is of merchantable quality and conforms 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.