

GENESIS® FIBER

FIBRILLATED FIBER REINFORCEMENT

PRODUCT INFORMATION

PRODUCT DESCRIPTION:

GENESIS® Fibrillated Fibers are designed to provide temperature shrinkage crack control in addition to plastic shrinkage crack control. GENESIS® Fibrillated Fibers are manufactured from virgin homopolymer polypropylene resins and meet the requirements of ASTM C1116/C1116M “Standard Specification for Fiber-Reinforced Concrete” and the requirements of ICC ES AC32 Sections 3.1.1 and 3.1.2.

GENESIS® Fibrillated Fibers are an excellent, cost-effective choice for applications requiring increased residual strength resulting from enhanced mechanical bonding that occurs between the fiber and the mortar mix.

PRODUCT BENEFITS:

- Always positioned properly when mixed according to ASTM C94
- 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	1094° F (590° C)
Melt Point	320° F (160° C)	Water Absorption	Nil
Modulus of Elasticity	500 ksi	Chemical & Alkali Resistance	Excellent

Available Fiber Cut Lengths: ½”, ¾”, 1½”, and blends

GUIDELINES FOR USE:

ADDITION RATE:

GENESIS® Fibrillated Fibers are typically added at a dosage rate of 1.5 lb./cubic yard (0.60 kg/cubic meter). Different dosage rates may be appropriate, depending on the application.

MIXING, PLACEMENT AND FINISHING:

GENESIS® Fibrillated Fibers are packaged in premeasured, ready-for-use, degradable bags, designed to be introduced into the mix at any time before, during, or after the other ready-mixed concrete materials. Please follow the proper mixing procedure as specified in ASTM C94.

Standard practices detailed in ACI 302 for placing, finishing and curing concrete should be followed when using GENESIS® Fibrillated Fibers.

PACKAGING:

GENESIS® Fibrillated Fibers are available in a variety of packaging options. The standard bag size is 1.5 lb. Bags are packaged in durable boxes and are palletized and stretch-wrapped with corner boards to prevent damage from shipping and handling.

ENGINEERING SPECIFICATION:

Use only GENESIS® fibrillated polypropylene fibers specifically engineered and manufactured for use in concrete as secondary reinforcement.

GENESIS® Fibrillated Fibers are for the control of cracking due to drying shrinkage, thermal expansion and contraction, lowered permeability, increased impact, abrasion, and shatter resistance. GENESIS® Fibers comply with applicable building codes and ASTM C1116 Type III, 4.1.3 as manufactured by Fabpro Oriented Polymers LLC, 701 E. Avenue A, Kingman, Kansas, USA, 67068.

Fabpro Performance Fibers are not intended to be used as a replacement for structural steel.

WARRANTY AND LIMITATION OF LIABILITY:

Product sold hereunder is of merchantable quality and conforms to the 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 the seller be liable for any special, incidental, consequential, or exemplary damages. Fabpro recommends that each user determine the suitability of the product for his own particular application.