

PROFINISH FIBER

BLEND FIBER REINFORCEMENT

PRODUCT INFORMATION

PRODUCT DESCRIPTION:

PROFINISH Concrete Fibers are designed to control early cracking in concrete caused by plastic shrinkage, thermal expansion, and contraction. PROFINISH Fibers are a unique blend of fibrillated polypropylene and multifilament nylon reinforcement fibers, offering excellent finishability that will save time and reduce labor costs.

PROFINISH Concrete Fibers 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.

PRODUCT BENEFITS:

- Impact resistance
- Increases compressive strengths
- Improves toughness and durability
- Provides impact, abrasion, and shatter resistance
- Combines fibrillated polypropylene and multifilament nylon fibers

PHYSICAL PROPERTIES:

Polypropylene:

Specific Gravity 0.91
Melt Point 320° F (160° C)
Modulus of Elasticity 500 ksi
Water Absorption Nil
Chemical & Alkali Resistance Excellent

Nylon:

Specific Gravity 1.16
Melt Point 490-510° F (254-266° C)
Modulus of Elasticity 750 ksi
Water Absorption 4-5%
Chemical & Alkali Resistance Excellent

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

GUIDELINES FOR USE:

ADDITION RATE:

PROFINISH Concrete 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:

PROFINISH Fibers are packaged in premeasured, ready-for-concrete, 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 PROFINISH Fibers.

PACKAGING:

PROFINISH 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 PROFINISH fibrillated polypropylene and nylon reinforcing fibers specifically engineered and manufactured for use in concrete as secondary reinforcement.

PROFINISH Fibers are for the control of cracking due to drying shrinkage, thermal expansion and contraction, lowered permeability, increase impact, abrasion, and shatter resistance. PROFINISH 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.