

SPECTER® FIBER

MONOFILAMENT FIBER REINFORCEMENT

PRODUCT INFORMATION

PRODUCT DESCRIPTION:

SPECTER® Monofilament Fibers are specifically designed to minimize early age cracking in concrete as a result of plastic shrinkage and plastic settlement. SPECTER® Monofilament Fibers are manufactured from 100% virgin, homopolymer polypropylene resin and meet the requirements of ASTM C1116/C1116M “Standard Specification for Fiber-Reinforced Concrete” and the requirements of ICC ES AC32 Section 3.1.1.

PRODUCT BENEFITS:

- Excellent finishability
- Always positioned properly when mixed according to ASTM C94
- Reduces the formation of plastic shrinkage cracking in concrete
- 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
Thermal & Electrical Conductivity.....	Low	Acid & Alkali Resistance.....	Excellent

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

GUIDELINES FOR USE:

ADDITION RATE:

SPECTER® Monofilament Fibers are typically added at a dosage rate of 1 lb./cubic yard (0.60 kg/cubic meter). Dosages range from 0.75 to 1.5 lb./cubic yard may be acceptable, depending on the application and local specifications and practices.

MIXING, PLACEMENT AND FINISHING:

SPECTER® Fibers are packaged in premeasured, ready-for-use degradable bags, designed to be introduced into the mix at any time before, during, or after batching. 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 SPECTER® Fibers.

PACKAGING:

SPECTER® Fibers are available in a variety of packaging options. The standard bag size is 1.0 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 SPECTER® Monofilament Polypropylene Fibers, specifically engineered and manufactured for use in concrete as secondary reinforcement. SPECTER® Fibers are for the control of cracking due to plastic shrinkage, drying shrinkage, thermal expansion and contraction, lowered permeability, increased impact, abrasion, and shatter resistance. SPECTER® Fibers are in compliance 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.