

PROCON-F

VIRGIN POLYPROPYLENE,
FIBRILLATED FIBER NET

Reduces plastic shrinkage and plastic settlement cracking, and increases impact resistance and residual strength.

Meets the requirements of ASTM C-1116, Section 4.1.3 and AC-32 at 1.5 lb (0.68 kg) per CY.

Product Specs

Filament Diameter	0.06" (1.52 mm)
Fiber Length	0.75" (19mm) or 1.5" (38mm)
Specific Gravity	0.91
Tensile Strength	60 ksi (410 MPa)
Flexural Strength	800 ksi (5.6 GPa)
Melting Point	320° F (160° C)
Color	White
Water Absorption	Nil
Alkali Resistance	Excellent
Concrete Surface	Commercial
Corrosion Resistance	High

Product Description

ProCon-F fiber products are designed to distribute quickly through the concrete matrix. Our fibrillated product will optimize the mechanical bond between the mortar and the fiber. ProCon-F is used in concrete products for the purpose of controlling plastic shrinkage and thermal cracking.

Application

ProCon-F utilizes the mixing activity to disperse the fibers into the mix. ProCon-F provides a multi-dimensional fiber network and does not affect curing process chemically.

ProCon-F can be used in all types of concrete. Fibrillated synthetic fibers help the concrete and can be used to replace light gauge WWF, depending on the application.

Advantages/Benefits

- Mechanical bond with the concrete
- Reduces the formation of plastic shrinkage cracking in concrete.
- Provides multi-dimensional reinforcement.
- Improves impact, shatter and abrasion resistance of concrete.
- Enhances durability and toughness of concrete.

Mixing

ProCon-F can be added directly to the mixing system after the batching of the ingredients and mixed at high speed for a minimum of three minutes. The addition of ProCon-F at the normal recommended dosage rate of 1.5 lb/cy does not require any mix design or application changes. A water reducer or super-plasticizer is recommended in concrete products where improved workability and finishability are desired.



Storage and Shelf Life

NYCON products should be stored in dry warehouse. Protect product from the rain.

Packaging

- (30) 1 lb (0.45 kg) bags per box, 600 lbs per pallet
- (20) 1.5 lb (0.675 kg) bags per box, 600 lbs per pallet

ProCon-F fibers are packaged in pre-measured 1 lb or 1.5 lb degradable “toss-in” paper beater bags or water soluble bags.

Tooling & Finishing

Fiber reinforced concrete can be finished by most finishing techniques.

ProCon-F mixes can be pumped and placed using conventional equipment. Hand screeds can be used, but vibratory and laser screeds are recommended to provide added compaction and bury surface fibers.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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