

PROCON-M

VIRGIN POLYPROPYLENE, MONOFILAMENT,
SMALL DENIER MICRO FIBER

Manufactured from virgin resins, ProCon-M provides excellent crack-control, increased impact resistance and more durability.

Meets the requirements of ASTM C-1116, Section 4.1.3 and AC-32 at 1 lb (0.45 kg) per CY.

Product Specs

Filament Diameter	8 Denier (38 Microns)
Fiber Length	0.5" (13mm) or 0.75" (19mm)
Specific Gravity	0.91
Tensile Strength	25 ksi (170 MPa)
Flexural Strength	300 ksi (2.1 GPa)
Melting Point	320° F (160° C)
Color	White
Water Absorption	Nil
Alkali Resistance	Excellent
Concrete Surface	Commercial
Corrosion Resistance	High

Product Description

ProCon-M fiber products are small (8d), monofilament polypropylene fibers for use in fiber reinforced concrete, stucco and shotcrete. ProCon-M is specifically designed for use in concrete products for the purpose of controlling plastic shrinkage and thermal cracking.

Application

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

ProCon-M can be used in all types of concrete. Synthetic fibers help the concrete at early ages, which is especially beneficial where stripping time and handling is important.

ProCon-M used in shotcrete applications will increase the compaction and density of shotcrete.

Advantages/Benefits

- 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-M can be added directly to the mixing system during or after the batching of the ingredients and mixed at high speed for a minimum of five minutes. Additional mixing does not adversely affect the distribution or overall performance of ProCon-M. The addition of ProCon-M at the normal recommended dosage rate 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

- (40) 1 lb (0.45 kg) bags per box, 800 lbs per pallet

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

Tooling & Finishing

Fiber reinforced concrete can be finished by most finishing techniques.

ProCon-M 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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