



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

ProCon-M Physical Properties

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

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.

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

Applications

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.

ProCon-M

Virgin Polypropylene, Monofilament, Small Denier Micro Fiber



Advantages/Benefits	<ul style="list-style-type: none">• 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.
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.
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 Nycon Melt-Away® Bags.
Storage and Shelf Life	ProCon-M should be stored in dry warehouse. Protect product from the rain.

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

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