

# 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

<b>Filament Diameter</b>	8 Denier (38 Microns)
<b>Fiber Length</b>	0.25" (6mm), 0.5" (13mm) or 0.75" (19mm)
<b>Specific Gravity</b>	0.91
<b>Tensile Strength</b>	25 ksi (170 MPa)
<b>Flexural Strength</b>	300 ksi (2.1 GPa)
<b>Melting Point</b>	320° F (160° C)
<b>Color</b>	White
<b>Water Absorption</b>	Nil
<b>Alkali Resistance</b>	Excellent
<b>Concrete Surface</b>	Commercial
<b>Corrosion Resistance</b>	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.

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