

FABPRO POLYMERS'

NY-LOK™

Nylon Fiber

DESCRIPTION

NY-LOK™ Nylon Fibers meet the requirements of ASTM C1116/C1116M "Standard Specification for Fiber-Reinforced Concrete" and the requirements of ICC ES AC32 Section 3.1.1 for plastic shrinkage reinforcement.

APPLICATIONS

Recommended for use in:

- Industrial and warehouse floors
- Commercial slab construction
- Concrete pavement
- Stucco
- Thin wall precast
- Composite metal decks
- Residential concrete
- Whitetopping and overlays

FEATURES

FABPRO's NY-LOK™ Nylon Fibers are designed to control early cracking in concrete caused by plastic shrinkage, plastic settlement and thermal expansion and contraction. NY-LOK™ Fibers offer excellent finish-ability that will save time and reduce labor costs.

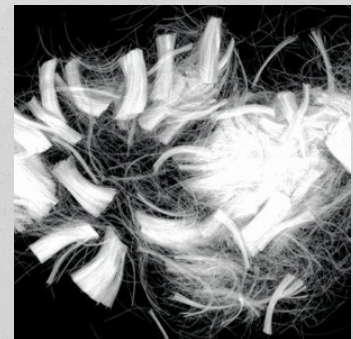
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BENEFITS

- Measurably reduces the concrete permeability, thus increasing the durability and service life of the concrete.
- Provides three-dimensional reinforcement against micro-cracking.
- Provides excellent plastic shrinkage crack reduction and settlement control.
- Helps control thermal expansion and contraction.
- Increases the impact and abrasion resistance of concrete.

PERFORMANCE CHARACTERISTICS

Specific Gravity	1.16
Melting Point	490-510°F (254-266°C)
Thermal / Electrical Conductivity	Low
Water Absorption	4-5%
Alkali & Acid Resistance	Excellent
Fiber Length	0.5" (13 mm) - 1.5" (38 mm)
Color	Natural



GUIDELINES FOR USE

Dosage: NY-LOK™ Fibers are typically added at a dosage rate of 1.0 lb/yd³ (0.6 kg/m³). Other dosages may be acceptable depending on the application, local specifications, and practices.

Mixing: NY-LOK™ Fibers are packaged in pre-measured ready-for-use degradable bags, designed to be introduced into the mix at any time before, during or after batching. Please follow proper mixing procedures as specified in ASTM C94/C94M.

Standard practices detailed in ACI 302 for placing, finishing and curing concrete should be followed when using NY-LOK™ Fibers.

ENGINEERING SPECIFICATIONS

Use only NY-LOK™ Nylon Fibers specifically engineered and manufactured for use in concrete as secondary reinforcement. NY-LOK™ Fibers are for the control of cracking due to drying shrinkage, thermal expansion and contraction, lowered permeability, and increased impact, abrasion and shatter resistance. NY-LOK™ Fibers from FABPRO POLYMERS comply with applicable building codes and ASTM C1116/C1116M Section 4.1.3, Type III.

NY-LOK™ Nylon Fiber should be specified for use in concrete slabs:

- To control bleed water
- To reduce plastic shrinkage cracking
- To increase abrasion resistance
- To improve impact resistance
- To reduce permeability

FABPRO POLYMERS' fibers are not intended to be used as a replacement for structural steel.

STORAGE AND HANDLING

Storage Temperature: NY-LOK™ Nylon Fibers should be stored at temperatures below 140°F (60°C). Avoid storing near strong oxidizers and avoid sources of ignition. Use caution when stacking to avoid unstable conditions. Store in a sprinkled warehouse.

PACKAGING

NY-LOK™ Nylon Fibers are available in a variety of packaging options. The typical bag size is 1.0 lb (0.45 kg). Bags are packaged in ultra-durable boxes, palletized and stretch-wrapped with corner boards to prevent damage from shipping and handling.

RELATED DOCUMENTS

Safety Data Sheets: NY-LOK™ Nylon Fiber

ADDITIONAL INFORMATION

For additional information on NY-LOK™ Nylon Fibers, contact your local sales representative or Customer Service at (800) 821-4391.

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