

NYCON-XL-PLUS
 High Performance PP/PE Blend, Large Denier, Macro-NET



NYCON-XL-PLUS macro fibers are a high-dose fiber for your post-crack strength applications.



NYCON-XL-PLUS Physical Properties

Filament Diameter	0.06" (1.52 mm)
Fiber Length	1.5" (38 mm) or 2" (50 mm)
Specific Gravity	0.91
Tensile Strength	90 ksi (615 MPa)
Flexural Strength	400 ksi (2.8 GPa)
Melting Point	330° F (165° C)
Color	White / Natural
Water Absorption	Nil
Alkali Resistance	Excellent
Concrete Surface	Commercial
Corrosion Resistance	High



Description

NYCON-XL-PLUS fiber products are large denier, high-performance, PP/PE blend macro fibers for use in fiber reinforced concrete and shotcrete. NYCON-XL-PLUS is specifically designed for use in concrete products for the purpose of controlling post crack issues.

NYCON-XL-PLUS meets the requirements of ASTM C-1116, Section 4.1.3 and ASTM C-1399.

Applications

NYCON-XL-PLUS utilizes the mixing activity to disperse the fibers into the mix. NYCON-XL-PLUS acts with an enhanced mechanical bond in the concrete with a multi-dimensional, fibrillated fiber network. NYCON-XL-PLUS does not affect curing process chemically.

NYCON-XL-PLUS can be used in all types of concrete.

NYCON-XL-PLUS used in shotcrete applications will increase the compaction and density of shotcrete, reducing rebound and permitting thicker layers per pass.

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Advantages/Benefits	<ul style="list-style-type: none">• Mechanical net bond with the concrete• Provides multi-dimensional reinforcement• Improves impact, shatter and abrasion resistance of concrete• Enhances durability and toughness of concrete
Mixing	NYCON-XL-PLUS 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 NYCON-XL-PLUS. The addition of NYCON-XL-PLUS 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. NYCON-XL-PLUS can be pumped and placed using conventional equipment. Hand screeds can be used, but vibratory and laser screeds are recommended.
Packaging	(36) 1 lb (0.45 kg) bags per box, 720 lbs per pallet. Larger bag sizes available. Nycon-XL-PLUS Fibers are packaged in pre-measured degradable “toss-in” paper beater bags or water soluble bags.
Storage and Shelf Life	NYCON-XL-PLUS 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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