

**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.

# NYCON-XL-PLUS

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|                                |  |
|--------------------------------|--|
| <b>Advantages/Benefits</b>     | <ul style="list-style-type: none"><li>• Mechanical net bond with the concrete</li><li>• Provides multi-dimensional reinforcement</li><li>• Improves impact, shatter and abrasion resistance of concrete</li><li>• Enhances durability and toughness of concrete</li></ul>  |
| <b>Mixing</b>                  | 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. |
| <b>Tooling &amp; Finishing</b> | 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.  |
| <b>Packaging</b>               | (36) 1 lb (0.45 kg) bags per box, 720 lbs per pallet. Larger bag sizes available.<br><br>Nycon-XL-PLUS Fibers are packaged in pre-measured degradable “toss-in” paper beater bags or Nycon Melt-Away® Bags.  |
| <b>Storage and Shelf Life</b>  | 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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