

XL-200

MONOFILAMENT, POLYOLEFIN, LARGE DENIER, HIGH-TENSILE MACRO FIBER

A high-dose fiber for post-crack strength in precast, cast-in-place and shotcrete.

Meets the requirements of ASTM C-1116, Section 4.1.3 and ASTM C-1399.

Product Specs

Base Resin	Modified Olefin
Fiber Length	1.9" (48 mm)
Specific Gravity	0.91
Tensile Strength	80 ksi (550 MPa)
Young's Modulus	1160 ksi (8.0 GPa)
Surface Texture	Embossed
Melting Point	320° F (160° C)
Ignition Point	840° F (450° C)
Color	Natural
Fiber Count	62,500 fibers / kg
Water Absorption	Nil
Alkali Resistance	Excellent
Concrete Surface	Commercial
Corrosion Resistance	High

Product Description

XL-200 fiber products are monofilament, high-performance, high-tensile macro fibers for use in fiber reinforced concrete and shotcrete. XL-200 is specifically designed for use in concrete products for the purpose of controlling post crack issues.

Application

XL-200 utilizes the mixing activity to disperse the fibers into the mix. XL-200 acts with surface bond in the concrete with a multi-dimensional, fiber network. XL-200 does not affect curing process chemically.

XL-200 can be used in all types of concrete.

XL-200 used in shotcrete applications will increase the compaction and density of shotcrete, reducing rebound and permitting thicker layers per pass.

Advantages/Benefits

- Mechanical bond with the concrete
- Improves post-crack strength
- Provides multi-dimensional reinforcement
- Enhances durability and toughness of concrete

Mixing

XL-200 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 XL-200. The addition of XL-200 at the normal recommended dosage rate (3-10 lb/cy) 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

- (33) 11 lb (5.0 kg) bags per gaylord, 363 lbs (165 kg) per gaylord. Other packaging available.

Tooling & Finishing

Fiber reinforced concrete can be finished by most finishing techniques. XL-200 does not affect the finishing characteristics of concrete. XL-200 can be used in power/hand troweled concrete, colored and broom finished concrete.

XL-200 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.

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

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