

NyconXL

The leading macro force in sustainable, structurally-enhanced concrete materials.



For long-term concrete durability, NyconXL macro fibers are the high-dose secondary reinforcement on which specifiers, ready-mixers, and precasters rely. They provide the sustainability and inner strength from within.

NyconXL Common Applications

Precastings

- Vaults and septic tanks
- Ducts and waterways
- Tilt-up walls, slabs, lids, roofs, and pipe
- Security & seismic barriers, bollards and planters

Flatwork

- Industrial floor slabs
- Airport aprons and taxiways

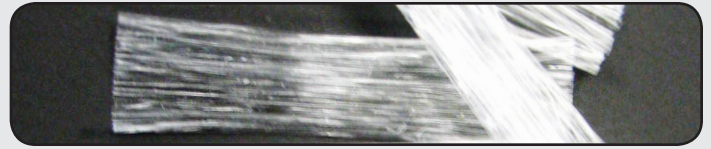
Shotcreting

- Tunnel linings
- Slope stabilization

800-456-9266
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REINFORCING FIBERS

NyconXL



Benefits of NyconXL Macro Fibers in Concrete:

Manufactured products, flatwork, and shotcrete reinforced with NyconXL fibers have enhanced structural properties, along with these desirable characteristics:

- Reduced bleeding and settlement
- Shortened curing cycle
- Greater early green strength
- High energy and impact absorption
- Improved resistance to plastic, thermal and moisture shrinkage cracking
- Superior fatigue, post-first-crack, and residual strength
- Less risk of implosion or catastrophic failure

NyconXL Physical Properties:

Materials	Polyolefin/Polypropylene
Configuration	Collated Fibrillated
Color	White
Specific Gravity	0.91
Length/Aspect Ratio	1.5" (38mm)/45
	2.0" (50mm)/58
Tensile Strength	90,000 - 100,000 psi (620.7 - 689.7 MPa)
Modulus of Elasticity	> 400,000 psi
Water Absorption	None
Chemical Stability	Non-reactive

Business Advantages in Using NyconXL:

At dosages of 3 pounds or greater per CY, NyconXL fibers improve concrete production, economy and your bottom line. They are an efficient secondary reinforcement solution that:

- Enhances concrete's structural integrity at lower doses than other synthetics.
- Eliminates the need for wire mesh and cages in casting molds.
- Minimizes precast material loss and rejects due to handling.
- Involves less handling, manpower, time, and cost than welded wire mesh.

NyconXL Test Results

Dosage/CY	NyconXL
3.0 lbs.	141 psi
4.0 lbs.	194 psi
5.0 lbs.	212 psi
6.0 lbs.	290 psi

Test Method ASTM C1399

NyconXL meets requirements for synthetic fiber in accordance with ASTM C1116

The One Source for All Your Fiber-Reinforcing Needs

Concrete specifiers, producers and precasters have a choice of fiber-reinforcing solutions when they do business with Nycon. Along with NyconXL, we offer a complete line of fibers for concrete reinforcement, including nylon, "green", polypropylene, fiberglass, PVA, steel and synthetic/steel blends. And, to insure our solutions are utilized to best advantage, our engineering consultants assist specifiers in the design, specification, and production of Nycon-modified concrete. Call, fax, or visit us on the Web for more information.

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