

**NyconXL fibers, the leading force in sustainable, structurally-enhanced concrete materials.**

# **NYCONXL**



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

### **Precastings**

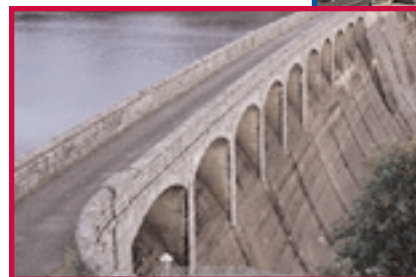
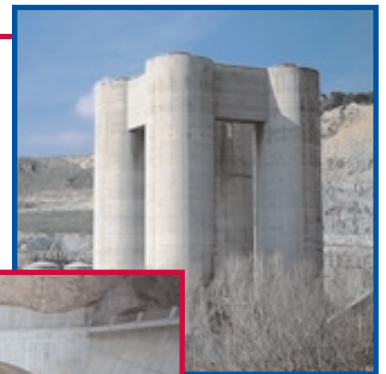
- Vaults and septic tanks
- Ducts and waterways
- Tilt-up walls, slabs, lids, roofs, and pipe
- Security and seismic barriers, bollards, and planters

### **Flatwork**

- Industrial floor slabs
- Airport aprons and taxi-ways

### **Shotcreting**

- Tunnel linings
- Slope stabilization



### Benefits of NyconXL 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

### Business Advantages in Using NyconXL:

At dosages of three pounds or greater per cubic yard, 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 Physical Properties:

Material	Polyolefin/polypropylene
Configuration	Collated fibrillated
Color	White
Specific Gravity	0.91
Length	1.5" (38mm)
Tensile Strength	90,000-100,000 psi (620.7 - 689.7 MPa)
Water Absorption	None
Chemical Stability	Non-reactive

### 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, polypropylene, fiberglass, 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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