

Nycon's

MultiMesh

concrete-

reinforcing

fibers... new

possibilities

for growing

your business.

# MULTIMESH

Alternative to Wire Mesh Reinforcement  
In Slabs on Grade and Topping



These days, everyone is trying to build smarter and faster. The key to remaining competitive is how you innovate and deliver value to your customers. Nycon enables you to do both.



# MULTIMESH Advanced Technology Concreting

There are many fibers to choose from for secondary reinforcement of concrete. Nycon narrows the choice down to one: MultiMesh, a cost-effective, advanced-technology fiber solution that is superior to any other synthetic-fiber or welded-wire reinforcement. MultiMesh is a multi-filament bundle that transforms the way concrete behaves... so you can pump it, place it, and work it, faster, easier, and more affordably.

For ready-mix producers and developers, MultiMesh is ideal in flatwork, like slabs-on-grade, elevated decks, sidewalks, driveways, curbing, and patios. For precasters, it is invaluable in septic tanks, burial vaults, poured walls, and other formed units. There's more: With Nycon's MultiMesh reinforcing process, concrete takes on unique properties that make it look better and last longer... and that's good news for owners and occupants.

## Advantages of MultiMesh-Reinforced Concrete

Other synthetics barely approach the effectiveness of MultiMesh fibers when they are added to the mix. Here are some of the unique, beneficial properties your concrete work can have:

*"Nycon was the only fiber that met the performance requirements for the floor slab of our mixer truck assembly facility. The results in meeting our goals of quality and excellence were impressive."*

Advanced Mixer, Inc.



form a chemical-like,  
ing characteristic is unachiev-  
ibers. In addition, MultiMesh  
distributed throughout the matrix.  
control during concrete's hydration  
rly-age plastic shrinkage.

th nonmetallic fibers, and MultiMesh  
concrete environment.

bers are noncorrosive and rustproof...  
of oxidation.

Mesh in the mix makes the resulting concrete  
n exposed to excessive wear.

ouble concrete's impact resistance. This increased  
ability to absorb a greater degree of energy (impact load)

ers are highly resistant to UV light exposure, their unique  
te together results in excellent post-crack resistance in  
ations.

ossible to detect standing hairs in MultiMesh-fibered concrete.  
bers have a pliant texture and are easily worked, they lay flat even  
vibration, or when the mix is trowel-floated, polished, or broomed.  
s a uniformly smooth, high-quality, hairless finish.

## New Opportunities for Your Business

MultiMesh fibers help your business achieve widespread acceptance, because they solve the inherent problems of concrete mixing, placing, and finishing, and in prolonging its service life. The fibers reduce time, cost, and labor and, when used in place of welded-wire fabric, they reduce injury as well. The overall result is a high-quality, innovative concrete product.

Nycon's advanced-fiber technology and support services bring new levels of productivity to your company... and our dedicated people back it all up. That means more opportunities for your business because you're delivering more value to your customers. We'd like a chance to show you that we can satisfy your concrete reinforcing needs better than anyone else in the business. With Nycon, you'll be giving your customers – and their customers – the right choice for smarter and better construction.

For more information about MultiMesh, Nycon's complete line of fiber products, and fiber dispensing equipment, visit our web-site at [www.nycon.com](http://www.nycon.com), call **800 456 9266** (USA and Canada), **401 596 3955**, or fax us at **401 596 4242**.



*The performance of Nycon fibers in our proprietary high-performance concrete is unmatched by any other fibers we've used for thin overlays, post-tension slabs, and even pool decks.*

RMC Ewell

*Nycon fibers pump without problems and perform great in the concrete mix. They make the concrete easy to place, and my customers love the finish. There's no comparison.*

Anderson Concrete Pumping

**NYCON**<sup>®</sup>

## MultiMesh Specification Data

Filament Diameter	36 microns	Water Absorption	0.72 oz/yd <sup>3</sup> (21.29 ml/m <sup>3</sup> )
Fiber Length	0.75" (19mm)	Matrix Bonding	Excellent
Specific Gravity	1.16	Alkali Resistance	High
Tensile Strength	44 ksi (303 MPa)	UV Resistance	High
Youngs Modulus	228 ksi (1.57 GPa)	Concrete Surface	Nonhairly
Toughness	28 ksi (193 MPa)	Corrosion Resistance	High
Melting Point	435° F, 225° C	Polarity	Anti-magnetic
Color	White	Dye-ability	Excellent

Nycon is a member in good standing of the American Concrete Institute, the American Society for Testing and Materials, the Construction Specifications Institute, and the National Ready-Mix Concrete Association. Our fibers have been evaluated by the Council of American Building Officials and conform to ASTM C 1116-89.

All information in this brochure is believed to be accurate and reliable. However, Nycon cannot warrant the properties or performance of concrete products reinforced with our fibers, since we have no control over product design, manufacture, or testing. Nycon and MultiMesh are registered trademarks of Nycon, Inc.

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