

NYCON-AR-DM (FIBERGLASS)

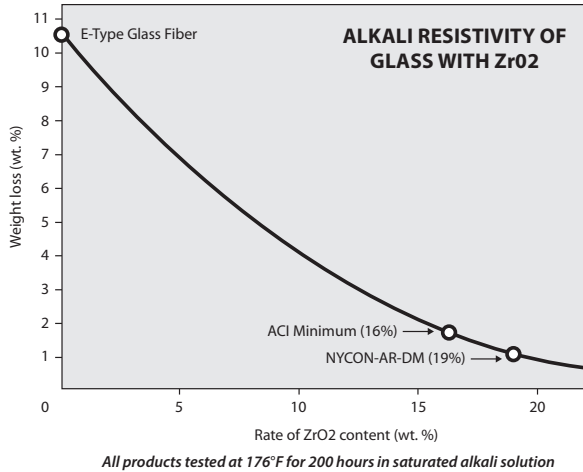
Alkali Resistant, Dry or Wet Mix, Medium Denier, Superior Finish



NYCON-AR-DM fiberglass fibers are long-life, high performance reinforcement fibers designed to resist abrasion that occurs during dry mixing and dry blending operations.

NYCON-AR-DM Physical Properties

Filament Diameter	0.0005" (0.01 mm)
Fiber Length	Chopped 1/2" (13 mm)
Specific Gravity	2.7
Tensile Strength	300 ksi (2000 MPa)
Flexural Strength	11,000 ksi (77 GPa)
Melting Point	2075° F (1121° C)
Color	White
Water Absorption	< 1%
Alkali Resistance	High
Concrete Surface	Not Fuzzy
Corrosion Resistance	High
ZrO2 Content	19% by Weight



Description

NYCON-AR-DM glass fiber is made for dry or wet blended products. To assure long-term performance, NYCON-AR-DM is made with the highest zirconia content available.

NYCON-AR-DM meets the requirements of ASTM C-1116 and AC-32 at 1lb (0.45 kg) per cy.

Applications

NYCON-AR-DM is a high integrity strand, designed for low fiber content applications and dry blended products such as stucco and surface bonding. It contains half the filaments per strand than our NYCON-AR-HD or NYCON-AR-HP. This feature can maximize strengths in low fiber content composites, stucco or bonding products. NYCON-AR-DM is less visible at the surface, which is of benefit in all applications. The extra-sized strand bundle of NYCON-AR-DM makes it the best performing fiber when mechanically mixed with dry ingredients and then packaged. The NYCON-AR-DM bundles are released when water is added.



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Advantages/Benefits	<ul style="list-style-type: none">• Excellent mechanical bond with the concrete.• Reduces the formation of plastic shrinkage cracking in concrete.• Provides multi-dimensional reinforcement.• Improves impact resistance of concrete.• Enhances durability and toughness of concrete.• Excellent, "no fuzz" finishability.• Applicable in dry or wet mix applications.
Mixing	NYCON-AR-DM can be added directly to the dry or wet mixing system during or after the batching of the ingredients and mixed at high speed. The addition of NYCON-AR-DM 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.
Tooling & Finishing	<p>Fiber reinforced concrete can be finished by most finishing techniques. NYCON-AR-DM does not affect the finishing characteristics of concrete. NYCON-AR-DM can be used in power/hand troweled concrete, colored and broom finished concrete.</p> <p>NYCON-AR-DM 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.</p>
Packaging	Standard packaging: (25) 44lb (20 kg) paper bags, 1100 lbs per pallet. Custom packaging also available.
Storage and Shelf Life	NYCON products 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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