

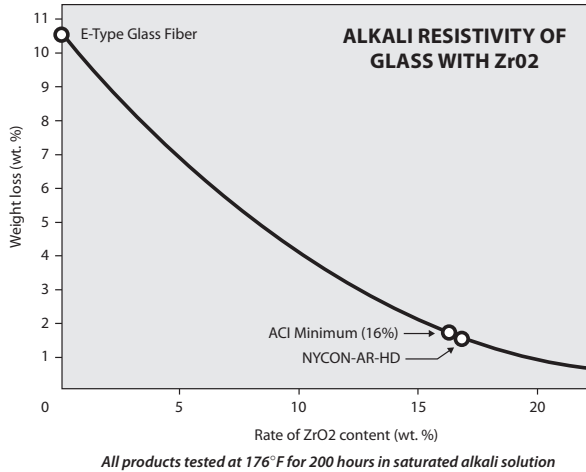
NYCON-AR-HD (HIGH DISPERSION FIBERGLASS)
Alkali Resistant, Wet Mix, Medium Denier, Superior Finish



NYCON-AR-HD fiberglass fibers are high dispersion, long-life, reinforcement fibers designed for rapid dispersion in wet mix products.

NYCON-AR-HD Physical Properties

Filament Diameter	0.0005" (0.01 mm)
Fiber Length	1/2" (13 mm), 3/4" (19 mm)
Specific Gravity	2.7
Tensile Strength	225 ksi (1700 MPa)
Flexural Strength	10,000 ksi (72 GPa)
Melting Point	2075° F (1121° C)
Color	White
Water Absorption	< 1%
Alkali Resistance	High
Concrete Surface	Not Fuzzy
Corrosion Resistance	High
ZrO2 Content	16% by Weight



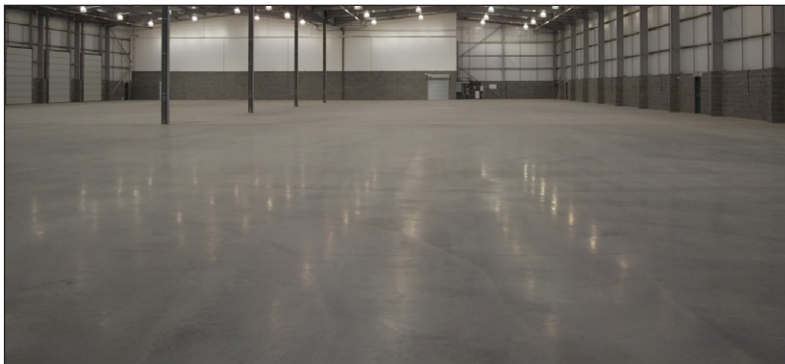
Description

NYCON-AR-HD glass fiber is made for high dispersion in wet applications and products. To assure long-term performance, NYCON-AR-HD is made with 16% zirconia content.

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

Applications

NYCON-AR-HD is a high integrity strand, designed for wet, low fiber content applications and products such as floor slabs and mortar. NYCON-AR-HD can maximize strengths in low fiber content concrete products. NYCON-AR-HD is virtually invisible at the surface, which is of benefit in all applications.



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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-HD can be added directly to the dry or wet mixing system during or after the batching of the ingredients and then mixed. The addition of NYCON-AR-HD 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-HD does not affect the finishing characteristics of concrete. NYCON-AR-HD can be used in power/hand troweled concrete, colored and broom finished concrete.</p> <p>NYCON-AR-HD 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	(30) 1 lb (0.45 kg) paper beater bags per box, 1440 lbs per pallet
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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