

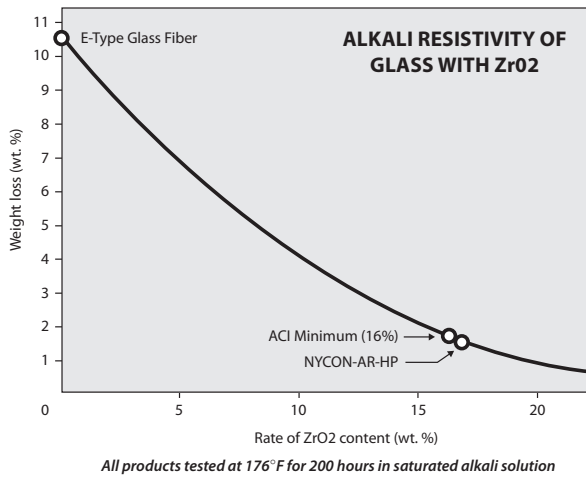
**NYCON-AR-HP (HIGH PERFORMANCE FIBERGLASS)**  
 Alkali Resistant, Wet Mix, Medium Denier, Superior Finish



**NYCON-AR-HP** fiberglass fibers are high performance, long-life reinforcement fibers designed with the optimum sizing and coating for wet mix applications.

**NYCON-AR-HP Physical Properties**

Filament Diameter	0.0005" (0.1 mm)
Fiber Length	1/2" (13 mm), 3/4" (19 mm)
Specific Gravity	2.7
Tensile Strength	255 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



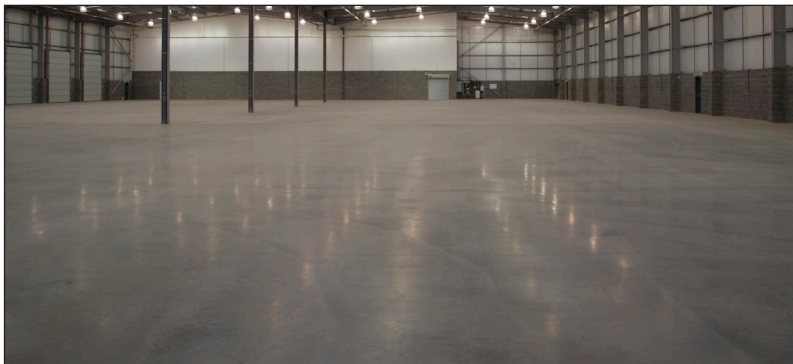
**Description**

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

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

**Applications**

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



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# NYCON-AR-HP (HIGH PERFORMANCE FIBERGLASS)

## Alkali Resistant, Wet Mix, Medium Denier, Superior Finish



<b>Advantages/Benefits</b>	<ul style="list-style-type: none"><li>• Excellent mechanical bond with the concrete.</li><li>• Reduces the formation of plastic shrinkage cracking in concrete.</li><li>• Provides multi-dimensional reinforcement.</li><li>• Improves impact resistance of concrete.</li><li>• Enhances durability and toughness of concrete.</li><li>• Excellent, "no fuzz" finishability.</li><li>• Applicable in dry or wet mix applications.</li></ul>
<b>Mixing</b>	NYCON-AR-HP can be added directly to the wet mixing system after the batching of the ingredients. The addition of NYCON-AR-HP 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.
<b>Tooling &amp; Finishing</b>	<p>Fiber reinforced concrete can be finished by most finishing techniques. NYCON-AR-HP does not affect the finishing characteristics of concrete. NYCON-AR-HP can be used in power/hand troweled concrete, colored and broom finished concrete.</p> <p>NYCON-AR-HP 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>
<b>Packaging</b>	(33) 1 lb (0.45 kg) paper beater bags per box, 594 lbs per pallet
<b>Storage and Shelf Life</b>	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**

All information provided by Nycon Corporation concerning Nycon products, including but not limited to, any recommendations and advice relating to the application and use of Nycon products, is given in good faith based on Nycon's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Nycon's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Nycon's control are such that Nycon assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Nycon product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).

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Nycon warrants this product for one year from date of shipment to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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