

AR-DM

ALKALI RESISTANT, DRY OR WET MIX,
MEDIUM DENIER, SUPERIOR FINISH

Long-life, high performance reinforcement fibers designed to resist abrasion that occurs during dry mixing and dry blending operations.

Meets the requirements of ASTM C-1116 and AC-32 at 1lb (0.45 kg) per CY.

Product Specs

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

Product Description

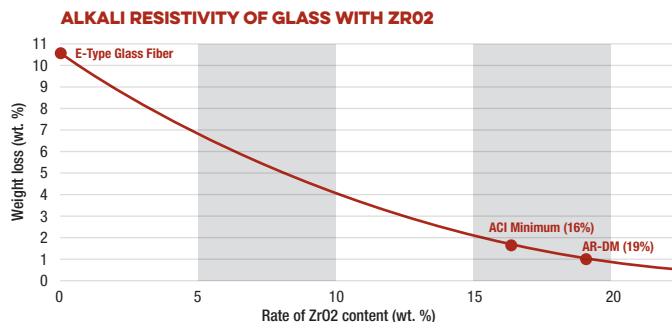
AR-DM glass fiber is made for dry or wet blended products. To assure long-term performance, AR-DM is made with the highest zirconia content available.

Application

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 AR-HD or AR-HP. This feature can maximize strengths in low fiber content composites, stucco or bonding products. AR-DM is less visible at the surface, which is of benefit in all applications. The extra-sized strand bundle of AR-DM makes it the best performing fiber when mechanically mixed with dry ingredients and then packaged. The AR-DM bundles are released when water is added.

Advantages/Benefits

- 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.



All products tested at 176°F for 200 hours in saturated alkali solution

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Mixing

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 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.

Storage and Shelf Life

NYCON products should be stored in dry warehouse. Protect product from the rain.

Packaging

- **Standard packaging:** (25) 44lb (20 kg) paper bags, 1100 lbs per pallet.
- Custom packaging also available.

Tooling & Finishing

Fiber reinforced concrete can be finished by most finishing techniques. AR-DM does not affect the finishing characteristics of concrete. AR-DM can be used in power/hand troweled concrete, colored and broom finished concrete.

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.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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