

DonFiber AC-M

High-performance micro monofilament acrylic fibers



DESCRIPTION

DonFiber AC-M is a micro monofilament acrylic fiber reinforcement, specifically designed for use in cementitious mixes. It reinforces the concrete mechanically by fiber network coated with mortar.

The monofilament cut of DonFiber AC-M provides instant dispersion and easy distribution throughout the cementitious mix.

The inclusion of DonFiber AC-M within a concrete mix or cementitious mixes will reduce and control plastic shrinkage cracks and early age cracks.

APPLICATIONS

DonFiber AC-M is ideally designed to decrease the plastic shrinkage cracking and plastic settlement cracking in the following applications:

- » Slab on grade.
- » Elevated slabs.
- » Parking areas.
- » Precast concrete.
- » Coatings and screed concrete.
- » Shotcrete.
- » Highway, railway, bridge decks.
- » Industrial and residential floors.

ADVANTAGES

- » Multi-dimensional reinforcement.
- » Controls crack formation caused by plastic shrinkage, settlement or other internal stresses in concrete.
- » Reduces shotcrete rebound.
- » Improves fresh mix properties (homogeneity & cohesiveness).
- » Improves concrete properties at early ages, improved stripping time and handling.
- » Increases concrete durability.
- » Improves concrete impact, shattering, and abrasion resistance.
- » Cost effective, higher fiber count per pound and lower dosage compared to standard monofilament fibers.
- » Easily distributed throughout the cementitious mix.
- » Compatible with all types of cement and concrete admixtures.
- » Rust-free, corrosion and chemical resistant.
- » Reduces bleeding.
- » Excellent concrete finish, virtually invisible in concrete.
- » Controls Sagging.
- » Reduces water permeability.
- » No clogging guns or pumps.



TECHNICAL PROPERTIES:

Composition:	Acrylic
Form:	Monofilament micro fiber
Specific gravity:	1.16
Tensile strength:	40000 - 60000 psi (275 - 410 MPa)
Modulus of elasticity:	500000 psi (3445 MPa)
Chemical resistance:	Excellent

STANDARDS

DonFiber AC-M complies with the requirements of ASTM C1116, Type III.

METHOD OF USE

MIXING

DonFiber AC-M is added to the mixer at any stage of the mixing process, during or after batching. Mix for 5 - 6 minutes at high speed after the addition of the final dosage to ensure uniform distribution of fibers.

Don Construction Products Inc.

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DOSAGE

Dosage of DonFiber AC-M will vary depending on the area of application and the required properties of concrete mixes. Typical Dosage is between 0.50 – 1.00 lb/yd³ (0.30 – 0.60 kg/m³) of concrete.

LENGTH

DonFiber AC-M is available in 0.75" (19 mm).

PACKAGING

The standard pack of Donfiber AC-M is 0.50 lb (225 g) degradable paper bags. The bags are packed into cardboard boxes, each box contains 50 bags and each pallet holds 30 boxes.

Other packaging is available upon request.

STORAGE

Store in original unopened packaging in dry and shaded areas protected from moisture, rain and direct sunlight.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

There are no health risks associated with proper use of the product.

For further information refer to the Material Safety Data Sheet.

WARRANTY

Unless expressly stated otherwise in the Sales Documents, the Limited Warranty shall expire on the expiry date listed on the Product's label or packaging. The full text of DCP's limited warranty is found in DCP's standard terms and conditions of sale (the "Terms"), which are available at [DCP Website/USA – Terms & Conditions](#). DCP's limited warranty is in all cases subject to, and conditioned upon, the Terms.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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