



PAN ACRYLIC FIBERS - AC50

CAS: 25014-41-9

When AC50 staple fiber is incorporated into concrete, it mechanically interlocks within the fresh concrete matrix, effectively managing plastic shrinkage. AC50 serves as a secondary reinforcement, preventing the formation of cracks that can lead to long-term structural weakening. The use of AC50 results in concrete that is less permeable, boasts a smoother surface, offers high impact resistance, and ultimately enhances your bottom line.

PRODUCT FEATURES

- Enhances performance & durability
- Provides secondary reinforcement
- Eliminates plastic shrinkage cracking up to 100%
- Alkali resistant & non-corrosive
- Insoluble in water
- No fiber protrusion = easy finishing
- High impact resistance
- Chemical & physical bond with concrete paste

PRODUCT USES

Slab-on-grade, Precast concrete, Shot-crete, Stucco, Decorative, Other specialty concrete applications

TYPICAL SPECIFICATIONS

Physical Properties	
Material	Modified Acrylic
Specific Gravity	1.17
Elastic Modulus (Gpa)	>5.5
Tenacity (Mpa)	>500
Decomposition Temp	330°C/ 626° F
Acid & Alkali Resistance	Excellent
Color	Off-White
Dispersity Rate	Excellent
Filament Diameter	46006
Fiber Count(fiber/kg)approx	680000000
Fiber Lengthinch(mm)	¼"(6mm)(other lengths available)



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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DOSAGE RATES

For typical applications like slab-on-grade construction, a standard dosage of 1 bag per cubic yard is advised. Other fibers might need higher dosages to match this performance. For different applications, please consult your representative for dosage recommendations.

FINISHING

For common uses like slab-on-grade, the recommended dosage is 1 bag per cubic yard. Other fibers typically need more to achieve comparable results. For different applications, contact your representative for tailored dosage advice.

PACKAGING

50bags/carton, 36 cartons/pallet, Truckloads available

STORAGE & HANDLING

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

SAFETY

Please consult the Safety Data Sheet for additional information on safety, handling and storage before using this product.