

PRODUCT FEATURES

- Enhances performance & durability
- Help to provide 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

APPLICATIONS

- Slab-on-grade
- Precast concrete
- Shotcrete
- Stucco
- Decorative
- Other specialty concrete applications

BENEFITS

AC50 staple fiber, when added to concrete, mechanically locks in the fresh concrete matrix, controlling plastic shrinkage. AC50 helps with secondary reinforcement, which helps eliminate crack formation that leads to permanent weakening of the resultant concrete. With AC50, concrete is less permeable, has a smooth surface, is high impact resistant, and improves your Bottom Line! All R-E-D Industrial Products Fiber meets ASTM C-1116, Section 4.1.3.

MIXING

Follow ASTM C-94 guidelines. AC50 can be added directly to the mix at the jobsite or during batching of ingredients, but not as the first ingredient and should be mixed for a minimum of 5 minutes at full mixing speed.

DOSAGE RATES

For general applications such as slab-on-grade, a standard dosage of (1) bag/yd³ is recommended. Other fibers require higher dosage rates to achieve similar performance. For other applications, consult with your ICF representative for recommended dosages.

FINISHING

There is NO surface protrusion when using AC50. AC50 can be pumped or placed using conventional equipment and AC50 can be used with all finishing techniques including power and hand troweling, broom finished and colored concrete.

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
Filament Diameter (μ)	12-15
Fiber count (fiber/kg) Approx.	680,000,000
Fiber Length inch (mm)	¼" (6mm) (other lengths available)

PACKAGING

50 bags/carton
36cartons/pallet
Truckloads available

QUESTIONS AND PRODUCT SOLUTIONS

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