



Technical Data Sheet:

R-E-D AC60 Acrylic Fibers

R-E-D AC60 Acrylic Fibers chemically and mechanically bond with the concrete paste, controlling plastic shrinkage when added to concrete. They also help with secondary reinforcement, which helps to resist crack formation that leads to permanent weakening of the resultant concrete. **R-E-D AC60 Acrylic Fibers** are available in 6mm and 18mm lengths (specialty lengths are available upon request). They enhance performance and durability, are alkali resistant & non-corrosive, high impact resistant, insoluble in water, finish easily with no fiber protrusion, are easy to mix into concrete and do not require any special equipment, making them an excellent choice for small and large-scale projects.

Applications: Precast concrete, shotcrete, stucco, slab-on-grade, decorative.

Packaging: 50 bags/carton, 36 cartons/pallet, bulk, gaylord, truckloads available upon request.

Storage: Dry storage. Avoid contact with moisture. Maintain seal.

Safety: Safety data sheet available upon request.

Environmental: Reduced carbon footprint by reducing traditional low gauge wire mesh.

Quality Control: Complies with ASTM C-116, Section 4.1.3, ICC-ES AC32.



Physical Characteristics

PHYSICAL PROPERTIES	
Material	Modified Acrylic
Specific Gravity	1.17
Elastic Modulus (Gpa)	>10.5
Tenacity (Mpa)	>650
Decomposition Temp	330 C° / 626 F°
Acid & Alkali Resistance	Excellent
Filament Diameter (m)	10 – 15
Fiber Count (fiber/kg) (approx.)	794,000,000 ¹
Fiber Length inch (mm) ²	0.25 inch / 6mm 0.75 inch / 18mm
Plastic Shrinkage Crack Rate (PSCR)	94%
Bond	Ionic
Finish	Very Smooth No Hairy Finish

¹ 6mm fiber length.

² Other lengths available.

Dosage: 0.66 lb/yd³ (1 bag per yard).

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Users must ensure that this material is suitable for their specific application despite reasonable care taken in its preparation. It is not recommended that substitutions be made without batch trialing, as this helps ensure that mixes are consistent with their intended use.