OCV™ Reinforcements

Product Data Sheet

Anti-Crak® W70

AR Dispersible Chopped Strands

Anti-Crak® fibers are part of Cem-FIL® product range

PRODUCT DESCRIPTION

Anti-Crak® W70 Chopped Strands are obtained by assembling filaments, coating them with a size which enables dispersion in water or other liquids, and cutting them to nominal lengths of 6, 12mm.
Anti-Crak® W70 Chopped Strands are designed to disperse into individual filaments on contact with water or other liquids. The best dispersion is obtained in a water solution.

PRODUCT APPLICATION

Anti-Crak® W70 Chopped Strands are particularly suited to the reinforcement of concrete for plastic shrinkage control; Heat-Resistant Ceramics during the green phase and curing; Calcium Silicate or Gypsum matrices against cracks, and may also be used to reinforce paints or other coating materials.

Anti-Crak® W70 Chopped Strands may also be used in other processes, where they may be added to wet-mixture for processes such as vibration-casting, injection molding, press, extrusion, rendering, or spray applications.

ADVANTAGES AND BENEFITS

- High moisture content to aid processing
- Alkali Resistant product
- Excellent workability
- Excellent dispersion
- Virtually invisible on the finished surface
- Control and prevention of cracking in fresh concrete, ceramics, calcium silicates, gypsum matrices
- Does not corrode
- Homogeneous mix
- Safe and easy to handle

FEATURES (nominal value)

- Fiber length : 6-12 mm - ¼"- ½"
- Filament diameter: 14 µm, (0.000546 in)
- Specific Gravity: 2. 68 g/cm^3
- Modulus of elasticity: 72 GPa • 10 x 10^6 psi
- Size Content : 0.1% (ISO 1980 : 1980)
- Moisture: >5% max (ISO 3344 : 1977)
- Material: Alkali Resistant Glass*
- Softening point: 860°C • 1580°F
- Electrical Conductivity: Very low
- Chemical Resistance : Very high
- Linear weight (Tex): 45 (g/km)
- Tensile Strength: 1,700 MPa • 250 x 10^3 psi

* Our fibers are manufactured with high Zirconium content in compliance with ASTM C1666/C 1666/M-07 and EN 15422 and under the recommendations of PCI and GRCA

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HOW TO USE – DOSAGES

	Recommended dosage
Concrete	0.6 kg/m3 – 1 lb/cu.yd
Paints	
Apply Manually	0.5% by weight
Apply with compressed air	0.25% by weight
Intumescent paint	2% by weight
Ceramics	0.3% by weight

PACKAGING and STORAGE

Anti-Crak® W70 chopped strands are packed in individual plastic bags.

Anti-Crak® W70 chopped strands should be stored away from heat and moisture, and in their original packaging.
The best conditions are:
- Temperature: 15ºC – 35ºC.
- Humidity: 35% – 65%.

QUALITY STANDARDS – CERTIFICATION

- Cem-FIL® fibers are manufactured under a quality Management System approved to ISO 9001. Additionally, the actual performance of Cem-FIL® fibers is subject to independent assessment and approval in Germany (Zulassung Nº Z-3.72.1731).
- Cem-FIL® fibers meet safety standards according to European Directive 99/45/EC, 67/548/EEC and their latest amendment.

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