



## 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/cm³
- Modulus of elasticity: 72 GPa • 10 x 10<sup>6</sup> 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<sup>3</sup> 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                                |
|---|---|
| <b>Concrete</b>   | 0.6 kg/m <sup>3</sup> – 1 lb/cu.yd                |
| <b>Paints</b><br>Apply Manually<br>Apply with compressed air<br>Intumescent paint | 0.5% by weight<br>0.25% by weight<br>2% by weight |
| <b>Ceramics</b>   | 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: 15°C – 35°C.
- 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 N° 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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