Cem-FIL® 70
AR Chopped Strands for Rendering Mortars

PRODUCT DESCRIPTION
Cem-FIL® 70 is a special purpose AR glass fiber chopped strand designed for mixing with cement and other materials where a high degree of dispersion of the fibers is needed.

PRODUCT APPLICATION
Cem-FIL® 70 is typically used in the modification of specialist mortars and industrialized processes.

Cem-FIL® 70 chopped strands have a sizing system which is water dispersible, allowing full dispersion into individual filaments when mixing in an aqueous environment. It is mainly used in renders and mortars.

ADVANTAGES AND BENEFITS
- Excellent workability
- Control and prevention of cracking in fresh concrete
- Improves the thixotropy of the mortar, making it easy to apply
- High dispersion: 100 million of filament per Kg in fiber length 12 mm
- Safe and easy to handle
- Virtually invisible on the finished surface

FEATURES (nominal values)

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<td>3 - 6 - 9 - 12 mm / 1/8 &quot; - 1/4&quot; - 3/8&quot; - 1/2&quot; inches</td>
<td>20 µm / 0.00078&quot;</td>
<td>0.60</td>
<td>0.50 max</td>
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- Electrical Conductivity: Very low
- Specific Gravity: 2.68 g/cm³
- Material: Alkali Resistant Glass*
- Softening point: 860°C • 1580°F
- Chemical Resistance: Very high
- Modulus of elasticity: 72 GPa • 10x10⁶ psi
- Tensile Strength: 1,700 MPa • 250 x 10⁷ 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 is in between 0.02 to 0.2%, or 0.5 to 5 kg/m³ (0.8 – 8 lb/cu.yd)
Fibers can be blended and bagged with dry mortar ingredients, or introduced directly to the mixer at the facility or job site.

PACKAGING and STORAGE
Cem-FIL® 70 chopped strands are packed in individual plastic bags (18 Kg).

Cem-FIL® 70 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%.

If the product is stored at lower temperatures it is advisable to condition it in the workshop for at least 24 hours before use, to prevent condensation.

QUALITY STANDARDS – CERTIFICATION
• Cem-FIL® 70 fibers are manufactured under a quality Management System approved to ISO 9001.
• Cem-FIL® 70 fibers fulfil all the prescribed requirements described in the European Technical Approval ETA-11/0410, attested by the EC-Certificate of conformity 0672-CPD-I 13.15.5. So the CE marking is affixed on the packaging of Cem-FIL® 70 fibers and on the accompanying commercial documents
• Cem-FIL® fibers are not classified as dangerous by the Regulation 1272/2008/EC. For more information, please refer to our Safe Use Instructions Sheet.

Cem-FIL® Customers Service
Alcala de Henares, Spain
Tel.: +34.91 885 58 03
Fax.: +34.91 885 58 34
Cem-fil@owenscorning.com
WWW.CEM-FIL.COM