



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 special mortar mixes or alternatively in special 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
- Improves the thixotropy of the mortar, making it easy to apply
- High dispersion - 220 million of filaments per kg (100million per lb)
- Virtually invisible on the finished surface
- Control and prevention of cracking in fresh and hard concrete and mortars
- Safe and easy to handle



FEATURES (nominal values)

- Fiber length : 3, 6, 9, 12mm - 1/8" - 1/4" - 3/8" - 1/2" inches
- Filament diameter: 20 µm, (0.00078 in)
- Specific Gravity: 2.68 g/cm³
- Loss on Ignition : 0.55% (ISO 1980 : 1980)
- Moisture: 0.3% max (ISO 3344 : 1977)
- Material: Alkali Resistant Glass*
- Softening point: 860°C • 1580°F
- Electrical Conductivity: Very low
- Chemical Resistance: Very high
- Modulus of elasticity: 72 GPa • 10 x 10⁶ 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 introduced directly to the mixer at the facility or at the job site.

PACKAGING and STORAGE

Cem-FIL® 70 chopped strands is 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® 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.

Cem-FIL® Customer Service

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