CEM-FIL® 62
EFFICIENT DUCTILE PERFORMANCE

Cem-FIL® 62 is an integral strand glass fiber used to enhance the performance of drymix and GRC components manufactured in premixing processes.

- Produced with Owens Corning® Cem-FIL® AR-glass, the alkali-resistant glass is specifically designed for concrete reinforcement and lives up to a 50-plus-year reputation.
- Available in different strand diameters to optimize the fiber network

FOR DRYMIX OR PREMIX GRC APPLICATIONS

Product Benefits

Performance
- Improved ductility
- Excellent performance to dosage ratio due to the high fiber count
- High modulus for enhanced crack control
- Alkali-resistant glass*

Processing
- Friendly to automated dispensing
- Quick homogeneous dispersion
- Enables early demolding
- Safe and easy to handle
- Compatible with self-leveling systems

Aesthetics
- Ideal for use with complicated profiles
- Excellent reproduction of detail
- Makes durable, attractive GRC elements
- Superior finishability
- No risk of rust stains

Applications

Cem-FIL® 62 is used in a variety of production processes with a sizing system optimized for performance and strand integrity during blending with dry material. Suited for pre-bagged mixes of repair and top screed mortars. Also suitable for standard GRC components consolidated by vibration or self-leveling admixtures.

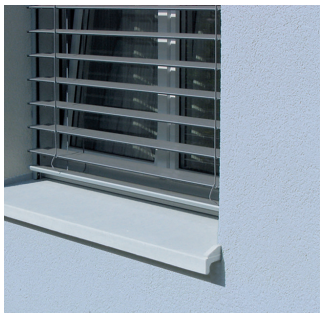

Photo: Stahlton-Bauteile

Technical Characteristics

FIBER LENGTH	FILAMENT DIAMETER	TEX (g/km)	LOSS ON IGNITION (%) (ISO 1887:1995)	MOISTURE (%) (ISO 3344:1997)
6–12 mm/¼"–½"	13 µm	45	2.25	0.50 max.
6–12–18 mm/¼"–½"–¾"	14 µm	82	1.75	

- **Electrical Conductivity:** Very low
- **Specific Gravity:** 2.68 g/cm³
- **Material:** Alkali-resistant glass*
- **Softening Point:** 860ºC–1,580ºF
- **Chemical Resistance:** Very high
- **Modulus of Elasticity:** 72 GPa–10 x 10^6 psi
- **Tensile Strength:** >1,000 MPa–145 ksi

* Our fibers are manufactured with high zirconia content in compliance with ASTM C1666 and EN 15422 and under the recommendations of PCI and GRCA.

Dosage

For drymix mortars and top screeds, recommended dosage is between 0.5 and 2%, or about 10–40 kg/m³ (17–68 lb/yd³). For premix GRC, the recommended dosage is from 1.5 to 3.0% by weight or about 30–60 kg/m³ (50–100 lb/yd³).

Packaging & Storage

Cem-FIL® 62 chopped strands are packed in plastic bags (5 kg) or carton boxes (15–22 kg). Cem-FIL 62 chopped strands should be stored away from heat and moisture, and in their original packaging. Optimum conditions are temperatures between 15°C and 35°C and humidity between 35% and 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

Cem-FIL® 62 fibers are manufactured under a quality management system approved to ISO 9001.

Cem-FIL® fibers are not classified as dangerous by the Regulation 1272/2008/EC. For information, please refer to our Safe Use Instruction Sheet.

CE-marking and Declaration of Performance as fibers for use in concrete and mortar through European Technical Assessment ETA 17/0169.

Verified Environmental Product Declaration according to ISO 14025 and EN 15804:2019 available upon request.

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