



# CEM-FIL® 62

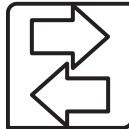
## EFFICIENT DUCTILE PERFORMANCE

**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



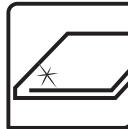
#### Performance

- 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/1/4"–1/2"         | 13 µm             | 45         | 2.25                                 | 0.50 max.                    |
| 6–12–18 mm/1/4"–1/2"–3/4" | 14 µm             | 82         | 1.75                                 |                              |

- **Electrical Conductivity:** Very low
- **Specific Gravity:** 2.68 g/cm<sup>3</sup>
- **Material:** Alkali-resistant glass\*
- **Softening Point:** 860°C–1,580°F
- **Chemical Resistance:** Very high
- **Modulus of Elasticity:** 72 GPa–10 x 10<sup>6</sup> 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/m<sup>3</sup> (17–68 lb/yd<sup>3</sup>). For premix GRC, the recommended dosage is from 1.5 to 3.0% by weight or about 30–60 kg/m<sup>3</sup> (50–100 lb/yd<sup>3</sup>).

## 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.



### Americas

**Owens Corning Composite Materials, LLC.**  
One Owens Corning Parkway  
Toledo, OH 43659 USA  
1-800-GET-PINK®

### Europe

**European Owens Corning Fiberglas Sprl.**  
166 Chaussée de la Hulpe  
B-1170 Brussels  
Belgium  
+32 3 674 8211

### Asia Pacific

**Owens Corning Shanghai Regional Headquarters**  
40/F, Pudong Kerry Parkside,  
115 Fang Dian Road, Pudong,  
Shanghai, 201204, China  
+86-21-6101 9666

<https://www.owenscorning.com/composites> | [Composites@owenscorning.com](mailto:Composites@owenscorning.com)

The information and data contained herein is offered solely as a guide in the selection of product. We believe this information to be reliable but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application of the product to determine its suitability. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe on any patent or violate any law, safety code, or insurance regulation. We reserve the right to modify this document without prior notice.

Pub number: 10024896. Cem-FIL® 62\_product data sheet. November 2021. English.

THE PINK PANTHER™ & © 1964–2021 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. © 2021 Owens Corning. All Rights Reserved.