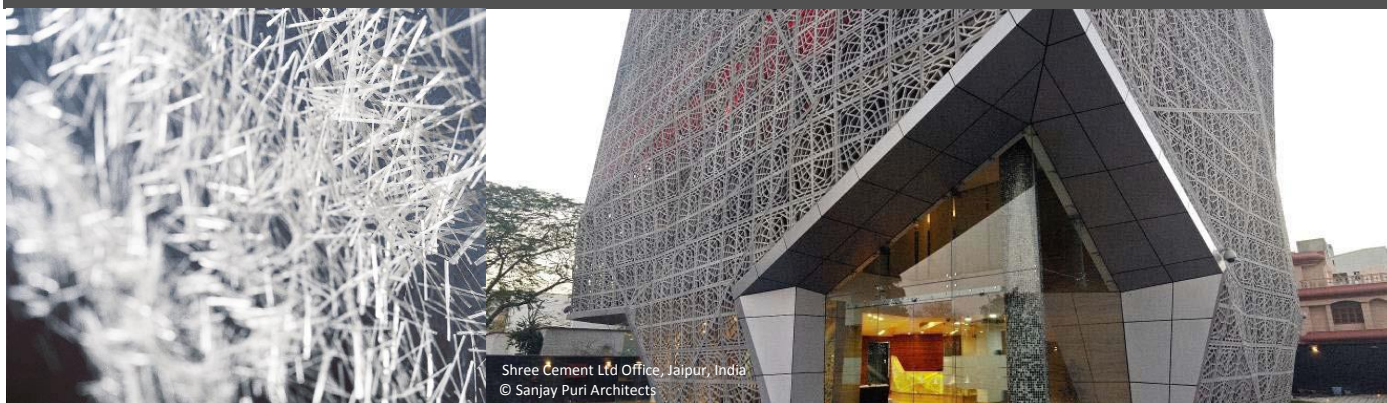


CEM-FIL® 60

AR CHOPPED STRANDS FOR REPAIR MORTARS AND PREMIX GRC



DESCRIPTION

- **Cem-FIL® 60** is a high integrity AR glass fibre chopped strand designed for premixing with other materials and the resulting mix is formed by vibration casting or other processes into molded GRC components. It can also be used as a component of repair mortars to enhance their performance.

BENEFITS

- High integrity during mixing
- Low-Tex strand
- Easy incorporation
- High performance with low dosage
- Excellent reproduction of detail
- Good level of workability
- Reduced water demand compared to other fibers
- Improves mechanical performance of GRC elements
- Makes highly durable GRC elements
- Safe and easy to handle

APPLICATIONS

- The high integrity of the product makes it suitable for use in a variety of production processes including vibration-casting, pumping, spraying, or dry-blending with other materials.
- Cem-FIL® 60 chopped strands are designed for ease of incorporation even at high dosage and remain integral during mixing. It is used in the manufacture of repair mortars, standard GRC components such as drainage channels or meter boxes, or in architectural applications such as decorative screen walling and ornate moldings.
- Cem-FIL® 60's hydrophobic behavior makes the mix more fluid and that ensures better compaction and easier release of trapped air.



CEM-FIL® 60

AR CHOPPED STRANDS FOR REPAIR MORTARS AND PREMIX GRC

TECHNICAL CHARACTERISTICS

Fiber length	Filament Diameter	Tex (g/km)	Loss on Ignition (%) (ISO 1887 : 1995)	Moisture (%) (ISO 3344 : 1997)
6 – 12 – 18 (mm) / ¼" – ½" – ¾"	14 µm / 0.000546"	82	0.90 (6-12mm) 0.95 (18 mm)	0.50 max.
12 – 18 (mm) / ¼" – ½" – ¾"	18 µm / 0.0007"	135	0.95	

- 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 – 10 x 10⁶ psi
- Tensile Strength: 1000–1700 MPa – 145–250 x 10³ psi (ASTM C1666 and EN15422)

* Our fibers are manufactured with high Zirconia content in compliance with ASTM C1666/C 1666/M-07 and EN 15422 and under the recommendations of PCI and GRCA

DOSAGE

For repair mortars, recommended dosage is in between 1 to 2%, or 25 to 50 kg/m³ (42–84 lb/cu.yd). For Premix GRC, recommended dosage is from 2.5 to 3.5% by weight.

PACKAGING AND STORAGE

Cem-FIL® 60 chopped strands are packed in individual plastic bags (6–18 kg). Cem-FIL® 60 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 – CERTIFICATION

Cem-FIL® 60 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 more information, please refer to our Safe Use Instructions Sheet.

For further info please send a email to: cem-fil@owenscorning.com / www.cem-fil.com

Americas

Owens Corning
Composite Materials, LLC.
One Owens Corning Parkway
Toledo
Ohio 43659
1.800.get.pink™
+1-623-566-0206

Europe

European Owens Corning
Fiberglas Sprl.
166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+33.479.75.5300

Asia Pacific

Owens Corning - OC Asia Pacific
Shanghai Regional Headquarters
Unit 01, 02,05, 39/F,
Pudong Kerry Parkside,
1155 Fang Dian Road, Pudong, Shanghai,
201204, China
+86-21-6101 9666

This information and data contained herein is offered solely as a guide in the selection of reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. 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 to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. 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 any patent or violate any law safety code or insurance regulation.

Owens Corning reserves the right to modify this document without prior notice. © 2014 Owens Corning. All Rights Reserved.
Pub number: 10012402. Cemfil_60_product sheet_vw_11-2014_Rev8_EN. November 2014

[Cem-fil@owenscorning.com](mailto:cem-fil@owenscorning.com)
www.cem-fil.com