



Cem-FIL® 60

Cem-FIL® Chopped Strands for Repair Mortars and Premix GRC

PRODUCT 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 moulded GRC components. It can also be used as a component of repair mortars to enhance their performance.

PRODUCT APPLICATION

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 mouldings.

Cem-FIL® 60's hydrophobic behaviour makes the mix more fluid and that ensures better compaction and easier release of trapped air.



ADVANTAGES AND BENEFITS

- | | |
|------------------------------------|---|
| • High integrity during mixing | • High level of workability |
| • Low tex strand | • Reduce water demand compare to other fibers |
| • Easy incorporation | • Improves mechanical performance of GRC elements |
| • High performance with low dosage | • Safe and easy to handle |

TECHNICAL CHARACTERISTICS (nominal values)

FIBER LENGTH	FIBER DIAMETER	Tex (g/km)
6 – 12 mm / ¼” – ½”	14 (µm) 0.000546”	45
6 – 12 – 18 (mm) / ¼” – ½” – ¾”		82
6 – 9 - 12 – 18 (mm) / ¼” – ⅓” – ½” – ¾”	18 µm / 0.0007”	135

Cem-FIL® 60

Cem-FIL® Chopped Strands for Repair Mortars and Premix GRC

• Filaments diameter: 14 µm, (0,000576")	• Alkali Resistant Glass*
• Specific Gravity: 2.68 g/cm ³	• Softening point: 860 °C • 1580 °F
• Size Content : 0,8% (ISO 1980 : 1980)	• Electrical Conductivity: Very low
• Moisture: 0,3% max (ISO 3344 : 1977)	• Resistance to chemical aggressions: Very high
	• Modulus of elasticity: 72 GPa • 10 x 106 psi

*Our fibres 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

HOW TO USE – DOSAGES

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 3 to 4% by weight.

PACKAGING AND STORAGE

Cem-FIL® 60 chopped strands are packed in individual plastic bags (6 - 13 Kg).

Cem-FIL® 60 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** are subject to independent assessment and approval in Germany (Zulassung N° Z-3.72.1731).

Cem-FIL® fibers meets safety standards according to European Directive 99/45/EC, 67/548/EEC and their latest amendment.

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



OCV™ Reinforcements

**OWENS CORNING
COMPOSITE MATERIALS, LLC**
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK™
www.owenscorning.com
www.ocvreinforcements.com

**EUROPEAN OWENS CORNING
FIBERGLAS, SPRL.**
166, CHAUSSÉE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32.2.674.82.11

**OWENS CORNING – OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUARTERS.**
2F OLIVE LVO. MANSION
620 HUA SHAN ROAD
SHANGHAI 200040
CHINA
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a 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.

Pub. No. 10012402. Printed in U.S.A. October 2010. Owens Corning reserves the right to modify this document without prior notice. ©2010 Owens Corning

Cemfil_60_ww_10-2010_Rev1