

Cem-FIL® 62



AR Chopped Strands for Dry Mix Mortars and Premix GRC

PRODUCT DESCRIPTION

Cem-FIL® 62 is a high integrity AR glass fiber chopped strand designed for use in dry mix systems or other premixing processes for subsequent molding into a GRC component.

PRODUCT APPLICATION

Cem-FIL® 62 chopped strands have a sizing system optimized for abrasion resistance and strand integrity during blending with dry materials. The low-tex strand permits efficient reinforcement at low dosages. It is particularly suited for the preparation of pre-bagged mixes of repair and top screed mortars.

It may also be used in the vibration-cast manufacture of standard GRC components.



ADVANTAGES AND BENEFITS

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



FEATURES (nominal values)

Fiber Length	Filament Diameter	Tex (g/km)	Loss on Ignition (%) (ISO 1887 : 1995)	Moisture (%) (ISO 3344 : 1997)
6 – 12 mm / 1/4”- 1/2 ”	13µm/0.000512 in	45	2.15	0.5 max
	14 µm/0.000546 in			
6 – 12 – 18 mm / 1/4”- 1/2 ” 3/4”	14 µm/0.000546 in	82	1.75	

- 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 • 10x10⁶ psi
- Tensile Strength: 1,700 MPa • 250 x 10³ 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

For repair mortars, recommended dosage is 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® 62 chopped strands are packed in individual plastic bags and contained in carton boxes.
Cem-FIL® 62 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® 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 more information, please refer to our Safe Use Instructions Sheet.

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Cem-FIL®, Anti-CRAK® and Slurry-FIL® are Owens Corning brands of Alkali Resistant glass fiber reinforcements. A strategic alliance was established between Owens Corning and Taishan Fiberglass, to manufacture specialty glass products in China. With strong technical support from Owens Corning global Research and Development centers, Cem-FIL®, Anti-CRAK® and Slurry-FIL® AR glass fiber reinforcements are jointly developed, manufactured and delivered to global market.