PRODUCT DATA SHEET

CEM-FIL® 5325

AR DIRECT ROVING FOR CONCRETE & MORTARS

DESCRIPTION

- **Cem-FIL® 5325** roving is made from engineered AR-glass wound filament designed to be used with concrete, mortar and all hydraulic binder-based mix-designs.
- Cem-FIL® 5325 rovings have a high Elastic Modulus and Tensile Strength making it ideal as an effective reinforcement for cement/concrete matrices. It will not rot or corrode and is unaffected by UV radiation, making it suitable for use with minimal cover.

BENEFITS

- Alkali resistant glass*
- Excellent unwinding
- Low level of fuzz
- Compatible with coating and hydraulic binder matrices
- Easy chopping
- Very easy incorporation into the matrix
- Enhancement of GRC mechanical performance and durability
- High tensile strength

APPLICATIONS

- Cem-FIL® 5325 has been particularly designed for the weaving of fabrics, meshes/nets, scrims, etc. Its surface coating (size) is compatible with cement-based matrices
- Cem-FIL® 5325 rovings are particularly well suited to the needs of the market for the reinforcement of GRC (Glass Reinforced Cement) as well as screeds, mortars or renders

* 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

CEM-FIL® 5325

AR DIRECT ROVING

TECHNICAL CHARACTERISTICS

Linear density of Roving (Tex) (ISO 1889 : 2009)	**Linear density of Strand (Tex)** (ISO 1889 : 2009)	**Loss on Ignition (%)** (ISO 1887 : 1995)	**Moisture (%)** (ISO 3344 : 1997)
320	14	0.80	0.50 max.
640	14	0.80	0.50 max.
1200	19	0.80	0.50 max.
2400	27	0.80	0.50 max.

- Assembled Roving
- Electrical Conductivity: Very low
- Specific Gravity: 2.68 g/cm^3
- Material: Alkali Resistant Glass*
- Softening point: 860°C – 1580°F
- Chemical Resistance: Very high
- Modulus of elasticity: 72 GPa – 10 x 10^6 psi
- Tensile Strength: 1000–1700 MPa – 145–250 x 10^3 psi

* 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

PACKAGING AND STORAGE

Cem-FIL® 5325 rovings are protected by a shrink-wrap polythene film, open at the top which should not be removed when the product is in use. Rovings are packed on pallets. Cem-FIL® 5325 rovings should be stored away from heat and moisture, and in their original packaging. Optimum conditions are temperature 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® 5325 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
40/F, Pudong Kerry Parkside,
1155 Fang Dian Road, Pudong, Shanghai,
201204, China
+86-21-6101 9666

Pub number: 10010692. Cem-FIL 5325_product sheet_ww_06-2017_Rev8_EN. June 2017