Cem-FIL® 5325
AR Direct Roving

PRODUCT DESCRIPTION
Cem-FIL® 5325 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.

PRODUCT APPLICATION
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.

ADVANTAGES AND 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

FEATURES (nominal values)

<table>
<thead>
<tr>
<th>Linear density of Roving (tex)</th>
<th>Linear density of Strand (tex)</th>
<th>Loss on Ignition (%)</th>
<th>Moisture (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>14</td>
<td>0.80</td>
<td>0.50 max</td>
</tr>
<tr>
<td>640</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1200</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2400</td>
<td>27</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Assembled Roving
* Specific Gravity: 2.68 g/cm³
* Material: Alkali Resistant Glass*
* Softening point: 860°C • 1580°F
* Electrical Conductivity: Very low
* Chemical Resistance: Very high
* Modulus of elasticity: 72 GPa • 10x10⁶ psi
* Tensile Strength: 1,700 MPa • 250 x 10⁹ 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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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. 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® 5325 fibers are manufactured under a quality Management System approved to ISO 9001.
- Cem-FIL® 5325 fibers fulfil all the prescribed requirements described in the German Approval Zulassung Z-3.72.1731. So the Ü marking is affixed on the packaging of Cem-FIL® 5325 fibers and on the accompanying commercial documents.
- 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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