

# Kemfelt EG

Woven Glass Fiber Fabric

<b>Description</b>	It is a unidirectional woven E-glass fiber fabric for epoxy reinforcement and structural strengthening
<b>Where to use</b>	<ul style="list-style-type: none"> <li>• It can be used for reinforced concrete, timber &amp; brick works for the following:</li> <li>• Concrete floors.</li> <li>• Masonry works.</li> <li>• Columns, Beams, Piles, Chimneys and Silos.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• High flexural &amp; shear load capacity.</li> <li>• Excellent ductility.</li> <li>• Non-conductive.</li> <li>• Flexible.</li> <li>• Easy air removal.</li> <li>• Economic.</li> <li>• Drapes well.</li> <li>• Good surface adhesion.</li> <li>• Rapid resin impregnation.</li> </ul>
<b>Properties</b>	
Form	<b>E-glass fibers, unidirectional</b>
Fiber density	2.6 ±0.1 g/cc
Fiber thickness	0.16 - 0.17 mm
Tensile strength	3400 N/mm <sup>2</sup>
Tensile E-modulus	76000 N/mm <sup>2</sup>
Elongation at break	2.8 %
Area weight	300 g/m <sup>2</sup> ±10%
<b>It comply with BS-3496</b>	
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>• Surface must be sound, clean &amp; dry. It must be free for laitance, oil, grease, dirt's release agents &amp; curing compounds.</li> <li>• Concrete surface must have a compressive strength &gt; 25 N/mm<sup>2</sup> (28 days) &amp; Tensile bond strength &gt; 1.5 N/mm<sup>2</sup> (28 days).</li> <li>• Surface preparation of one of the certified mechanical methods as sand blasting, shot blasting, etc. to get (CSP 3-4).</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• The fabric can be cut with scissors or razor knife.</li> <li>• Never fold the fabric.</li> <li>• Min. radius around corners is &gt; 20 mm.</li> <li>• Overlapping must be &gt; 10mm in fiber direction.</li> <li>• For impregnation, lamination refer to SF-epoxy TDS.</li> </ul>
<b>Packaging Width</b>	• 100 -120 cm
<b>Roll Length</b>	• 100 m
<b>Shelf life &amp; Storage</b>	2 years in sealed packs in appropriate condition.
<b>Health and Safety</b>	<ul style="list-style-type: none"> <li>• Use goggles, gloves and breathing mask when applying.</li> <li>• Eye splashes to be washed with plenty of water.</li> <li>• If ingested seek medical advice.</li> </ul>
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>• <b>PROKEM</b> provides the construction industry with a comprehensive range of construction chemicals</li> <li>• and specialty products answering the queries of modern engineers for trouble free durable structure.</li> <li>• <b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction,</li> <li>• <b>PROKEM</b> reserves the right to change the properties of its products.</li> <li>• All orders are accepted subject to our current term of sale &amp; delivery.</li> <li>• Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.</li> <li>• <b>PROKEM</b> extends technical services to include after sales support to assist users in a proper handling of our products.</li> </ul>