

Kemfelt 500

Non-Woven Geotextile Fabric

Description	It is a unidirectional non- woven geotextile fabric for epoxy reinforcement and structural strengthening	
Where to use	<ul style="list-style-type: none"> • It can be used for reinforced concrete; timber & brick works for the following: • Concrete floors • Masonry works • Columns, Beams, Piles, Chimneys and Silos 	
Advantages	<ul style="list-style-type: none"> • High flexural & shear load capacity • Excellent ductility • Non-conductive • Flexible • Easy air removal • Economic • Drapes well • Good surface adhesion • Rapid resin impregnation 	
Properties		
Form	Non-woven geotextile, unidirectional	
Fabric weight	500 g/m ² ±10%	ASTM D- 5261
Fabric thickness under 2Kn/m ²	4.7 mm	ASTM D- 5199
Grab tensile strength (MD)	1000 N	ASTM D- 4632
Grab tensile strength (CD)	1700 N	ASTM D- 4632
Grab elongation	> 90%	ASTM D- 4632
Strip tensile strength (MD)	1100 N	EN 29073 - 3
Strip tensile strength (CD)	2100 N	EN 29073 - 3
Puncture strength	600 N	ASTM D- 4833
Mullen burst	770 SPI	ASTM D- 3786
Trapezoidal tear (MD)	500 N	ASTM D- 4533
Trapezoidal tear (CD)	1000 N	ASTM D- 4533
C.B.R test	5100 N	BS 6906 - 4
Apparent opening size	75 microns	ASTM D- 4751
Permeability	0.25 cm/s	ASTM D- 4491
Transmissivity 2Kn/m ²	300 L/M/H	ASTM D- 4716
Surface Preparation	<ul style="list-style-type: none"> • Surface must be sound, clean & dry • It must be free for laitance, oil, grease, dirt's release agents & curing compounds 	
Application	<ul style="list-style-type: none"> • The fabric can be cut with scissors or razor knife • Never fold the fabric • Min. radius around corners is > 20 mm • Overlapping must be > 10mm in fiber direction • For impregnation, lamination refer to SF-epoxy TDS 	
Packaging Width	• 4 m	
Roll Length	• 50 m	

Shelf life & Storage	2 years in sealed packs in appropriate condition
Health and Safety	<ul style="list-style-type: none">• Use goggles, gloves and breathing mask when applying• Eye splashes to be washed with plenty of waterIf ingested seek medical advice
Additional Information	<ul style="list-style-type: none">• PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure• PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction• PROKEM reserves the right to change the properties of its products• All orders are accepted subject to our current term of sale & delivery• 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• PROKEM extends technical services to include after sales support to assist users in a proper handling of our products