

GLASGRID® TF100

Complete Reinforcement System

GlasGrid 8511TF Full Lane Width Pavement Reinforcement System is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2008 certification, registration #0068492 and meets the requirements of EN 15381. GlasGrid TF is a high strength, fiberglass grid custom knitted and coated with a patented elastomeric polymer and self-adhesive glue. The grid is combined with a patented multilayer tack film designed to enhance the bond between layers of asphalt and replace conventional tack coats. Every component of the matrix shall be stabilized against ultraviolet degradation and inert to chemicals normally found in a natural soil environment. GlasGrid TF shall conform to the property values listed below, which have been derived from quality conformance testing performed by a GAI-LAP accredited laboratory.

Property	Metric	Imperial	Test Method
Tensile Strength (MD x XD) (Ultimate)	115 x 115 +/- 15 kN/m	657 x 657 +/- 86 lbs/in	ASTM D6637 EN-ISO 10319
Tensile Elongation (Ultimate)	2.5 +/- 0.5%	2.5 +/- 0.5%	ASTM D6637 EN-ISO 10319
Tensile Resistance @ 2% Strain	95 x 95 +/- 20 kN/m	542 x 542 +/- 114 lbs/in	ASTM D6637 EN-ISO 10319
Secant Stiffness EA @ 1% Strain (MD x XD)	4,600 x 4,600 +/- 600 N/mm	26,267 x 26,267 +/- 3,426 lbs/in	ASTM D6637 EN-ISO 10319
Young's Modulus E	73,000 MPa	10.6 x 10 ⁶ psi	
Mass per Unit Area	432 g/m ²	12.7 oz/yd ²	ASTM D5261 ISO 9864
Melting Point Coating	>232° C	>450° F	ASTM D276/EN-ISO 3146
Melting Point Glass	>820° C	>1508° F	ASTM C338
Roll Length	100 m	328 ft	
Roll Width	1.5 m	5 ft	
Roll Area	150 m ²	179 yd ²	
Adhesive Backing	Pressure sensitive		
Grid Size (Center to Center of Strand)	25 x 25 mm	1.0 x 1.0 in	
Material	Fiberglass reinforcement with modified polymer coating and pressure-sensitive adhesive backing bonded to polymer tack film		
Film Type	100% Polymer		
Film Softening Point	99° C	210° F	

The values and tolerances given are obtained in our laboratories and in accredited testing institutions. All imperial values are approximate. The information given in this data sheet is to the best of our knowledge true and correct. However new research and practical experience can make revisions necessary. We reserve the right to make changes at any time. Statements concerning possible use of our product are not intended as recommendations for their use in the infringement of any patent. No patent warranty of any kind, expressed or implied, is made or intended.



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