GLASGRID® GG100

Pavement Reinforcement System

GlasGrid 8511 Full Lane Width Pavement Reinforcement System is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2008 certification, registration #0045662 and meets the requirements of EN 15381. GlasGrid is a high strength, open fiberglass grid custom knitted in a stable construction and coated with a patent-pending elastomeric polymer and self-adhesive glue. Every component of the matrix shall be stabilized against ultraviolet degradation and inert to chemicals normally found in a natural soil environment. GlasGrid 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	655 x 655 +/- 85 lbs/in	ASTM D6637 EN-ISO 10319:2008
Tensile Elongation (Ultimate)	2.5 +/- 0.5%	2.5 +/- 0.5%	ASTM D6637 EN-ISO 10319:2008
Tensile Resistance @ 2% Strain	95 x 95 +/- 20 kN/m	542 x 542 +/- 115 lbs/in	ASTM D6637 EN-ISO 10319:2008
Secant Stiffness EA @ 1% Strain (MD x XD)	4,600 x 4,600 +/- 600 N/mm	26,265 x 26,265 +/- 3,425 lbs/in	ASTM D6637 EN-ISO 10319:2008
Young's Modulus E	73,000 MPa	10.6 x 10^6 psi	
Mass per Unit Area	405 g/m²	12 oz/yd²	ASTM D5261 ISO 9864
Melting Point Coating **Melting Point Glass**	>232° C >820° C	>450° F >1508° F	ASTM D276/EN-ISO 3146 ASTM C338
Damage During Installation	<5%	<5%	Internal Test Method
Roll Length	100 m	327 ft	
Roll Width	1.5 m	5 ft	
Roll Area	150 m²	181 yd²	
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		

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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