

GLASGRID® CG100

Composite Reinforcement Solution

CompoGrid Pavement Reinforcement and Moisture Barrier 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. CompoGrid is a composite material consisting of fiberglass reinforcement grid coated in a patent-pending elastomeric polymer, bonded to a nonwoven paving geotextile. The nonwoven geotextile is a staple fiber, needlepunched and manufactured from fibers that are needed to form a stable network and retain dimensional stability relative to each other. CompoGrid is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. CompoGrid conforms 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 D4595 EN-ISO 10319:2008
Tensile Elongation (Ultimate)	2.5 +/- 0.5%	2.5 +/- 0.5%	ASTM D4595 EN-ISO 10319:2008
Tensile Resistance @ 2% Strain	95 x 95 +/- 20 kN/m	542 x 542 +/- 115 lbs/in	ASTM D4595 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 D4595 EN-ISO 10319:2008
Young's Modulus E	73,000 MPa	10.6 x 10 ⁶ psi	
Mass per Unit Area	542 g/m ²	16 oz/yd ²	ASTM D5261-92 ISO 9864
Asphalt Retention	0.9 l/m ²	0.2 gal/yd ²	ASTM D6140 EN 15381 Annex C
Melting Point Coating Melting Point Glass	>232° C >820° C	>450° F >1508° F	ASTM D276/EN-ISO 3146 ASTM C338
Roll Length	60 m	109 ft	
Roll Width	1.5 m	5 ft	
Roll Area	90 m ²	109 yd ²	
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 a nonwoven polypropylene specifically engineered for asphalt overlays		

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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