



GlasGrid® CG50 Composite Asphalt Reinforcement Solution

Specification Sheet – GlasGrid® CG50 Composite Asphalt Reinforcement Solution

Specifications for Use in Asphalt Overlays			
Property	Test Method	CG50	
		Metric	Imperial
Tensile Strength (Ultimate) (MD x XD)	ASTM D4595 EN-ISO 10319	50 x 50 kN/m	285 x 285 lbs/in
Tensile Elongation (Ultimate)	ASTM D4595 EN-ISO 10319	< 3%	< 3%
Tensile Resistance @ 2% Strain (MD x XD)	ASTM D4595 EN-ISO 10319	40 x 40 kN/m	228 x 228 lbs/in
Young's Modulus E		73,000 MPa	10.6 x 10 ⁶ psi
Mass/Unit Area	ASTM D5261 ISO 9864	340 g/m ²	10.0 oz/yd ²
Asphalt Retention	ASTM D6140 EN 15381 Annex C	0.90/m ²	0.20 gal/yd ²
Melting Point Coating	ASTM D276/EN-ISO 3146	>232° C	>450° F
Melting Point Glass	ASTM C338	>820° C	>1508° F
Roll Length		95 m	312 ft
Roll Width		1.5 m	5 ft
Roll Area		142.5 m ²	170 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		



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