



GlasGrid® Asphalt Reinforcement System

Specification Sheet – GlasGrid® 8502/8512 Asphalt Reinforcement System

Specifications for Use in Asphalt Overlays					
Property	Test Method	8502		8512	
		Metric	Imperial	Metric	Imperial
Tensile Strength (Ultimate) (MD x XD)	ASTM D6637 EN-ISO 10319	100 x 200 kN/m	571 x 1,142 lb/in	100 x 200 kN/m	571 x 1,142 lb/in
Tensile Elongation (Ultimate)	ASTM D6637 EN-ISO 10319	< 3%	< 3%	< 3%	< 3%
Tensile Resistance @ 2% Strain (MD x XD)	ASTM D6637 EN-ISO 10319	80 x 160 kN/m	456 x 913 lb/in	80 x 160 kN/m	456 x 913 lb/in
Young's Modulus E		73,000 MPa	10.6 x 10 ⁶ psi	73,000 MPa	10.6 x 10 ⁶ psi
Mass/Unit Area	ASTM D5261 ISO 9864	610 g/m ²	18.0 oz/yd ²	637 g/m ²	18.8 oz/yd ²
Melting Point Coating	ASTM D276/EN-ISO 3146	>232° C	>450° F	>232° C	>450° F
Melting Point Glass	ASTM C338	>820° C	>1508° F	>820° C	>1508° F
Roll Length		60 m	197 ft	60 m	197 ft
Roll Width		1.5 m	5 ft	1.5 m	5 ft
Roll Area		90 m ²	108 yd ²	90 m ²	108 yd ²
Adhesive Backing		Pressure Sensitive		Pressure Sensitive	
Grid Size (Center to Center of Strand)		12.5 x 12.5 mm	0.5 x 0.5 in	25 x 19 mm	1.0 x 0.75 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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GlasGrid® Asphalt Reinforcement System

Specification Sheet – GlasGrid® 8501/8511 Asphalt Reinforcement System

Specifications for Use in Asphalt Overlays					
Property	Test Method	8501		8511	
		Metric	Imperial	Metric	Imperial
Tensile Strength (Ultimate) (MD x XD)	ASTM D6637 EN-ISO 10319	100 x 100 kN/m	571 x 571 lbs/in	100 x 100 kN/m	571 x 571 lbs/in
Tensile Elongation (Ultimate)	ASTM D6637 EN-ISO 10319	< 3%	< 3%	< 3%	< 3%
Tensile Resistance @ 2% Strain (MD x XD)	ASTM D6637 EN-ISO 10319	80 x 80 kN/m	456 x 456 lbs/in	80 x 80 kN/m	456 x 456 lbs/in
Young's Modulus E		73,000 MPa	10.6 x 10 ⁶ psi	73,000 MPa	10.6 x 10 ⁶ psi
Mass/Unit Area	ASTM D5261 ISO 9864	405 g/m ²	12.0 oz/yd ²	405 g/m ²	12.0 oz/yd ²
Melting Point Coating	ASTM D276/EN-ISO 3146	>232° C	>450° F	>232° C	>450° F
Melting Point Glass	ASTM C338	>820° C	>1508° F	>820° C	>1508° F
Roll Length		100 m	328 ft	100 m	328 ft
Roll Width		1.5 m	5 ft	1.5 m	5 ft
Roll Area		150 m ²	179 yd ²	150 m ²	179 yd ²
Adhesive Backing		Pressure Sensitive		Pressure Sensitive	
Grid Size (Center to Center of Strand)		12.5 x 12.5 mm	0.5 x 0.5 in	25 x 25 mm	1.0 x 1.0 in
Material		Fiberglass reinforcement with modified polymer coating and pressure-sensitive adhesive backing			

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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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GlasGrid® CG100 Composite Asphalt Reinforcement Solution

Specification Sheet – GlasGrid® CG100 Composite Asphalt Reinforcement Solution

Specifications for Use in Asphalt Overlays			
Property	Test Method	CG100	
		Metric	Imperial
Tensile Strength (Ultimate) (MD x XD)	ASTM D4595 EN-ISO 10319	100 x 100 kN/m	571 x 571 lbs/in
Tensile Elongation (Ultimate)	ASTM D4595 EN-ISO 10319	< 3%	< 3%
Tensile Resistance @ 2% Strain (MD x XD)	ASTM D4595 EN-ISO 10319	80 x 80 kN/m	456 x 456 lbs/in
Young's Modulus E		73,000 MPa	10.6 x 10 ⁶ psi
Mass/Unit Area	ASTM D5261-92 ISO 9864	542 g/m ²	16.0 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		60 m	197 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		

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