

# GlasPave™ Waterproofing Paving Mat

GLASPAVE™



GlasPave™ lengthens pavement life and reduces project costs.

GlasPave creates a strong, effective, moisture-resistant membrane at a fraction of the cost of other, more expensive combination grids. Its high tensile strength, high modulus fiberglass yarns reduce the potential for thermal and stress-related cracks reflecting through to the surface of a new asphalt overlay.

GlasPave requires 25% less hot asphalt cement, so you not only reduce system costs, but your carbon footprint as well. And every component of the matrix fabric is inert to chemicals normally found in natural soil and paving environments. Visit [www.glaspave.com](http://www.glaspave.com) for more information.



## Features and Benefits of GlasPave:

- Higher tensile strength for delayed reflective cracking
- Life cycle cost savings can be realized through reduced maintenance intervals
- Patent-pending elastomeric polymer coating for increased bond
- Impervious to extreme temperatures
- No creep for reliable, long-term performance
- Formaldehyde-free for environmentally friendly application; glass fibers are fully contained within the matrix, eliminating the need for special protective equipment
- 25% less asphalt binder is required to saturate the material and create a waterproofing membrane; lower asphalt emissions and smaller carbon footprint



### GLASPAVE™ 25

Property	Metric	Imperial	Test Method
Tensile Strength (MD x XD) (Ultimate)	30 x 30 +/- 7 kN/m	170 x 170 +/- 40 lbs/in	ASTM D5035
Tensile Elongation	3.5 +/- 1.5%	3.5 +/- 1.5%	ASTM D5035
Secant Stiffness EA @ 1% Strain (MD x XD)	855 x 855 +/- 200 N/mm	4,880 x 4,880 +/- 1,140 lbs/in	ASTM D6637-01 / EN-ISO 10319:2008
Young's Modulus E	73,000 MPa	10.6 x 10 <sup>6</sup> psi	
Mass per Unit Area	136 g/m <sup>2</sup>	4 oz/yd <sup>2</sup>	ASTM D5261 / ISO 9864
Asphalt Retention	0.47 l/m <sup>2</sup>	0.10 gal/yd <sup>2</sup>	ASTM D6140 / EN 15381:2008
Melting Point	>232° C	>450° F	ASTM D276 / EN-ISO 3146
Roll Sizes	1.17 x 228.6 m 1.17 x 914.4 m 2.0 x 228.6 m 2.0 x 914.4 m	46 in x 250 yds 46 in x 1,000 yds 78.75 in x 250 yds 78.75 in x 1,000 yds	
Roll Areas	267 m <sup>2</sup> 1,069 m <sup>2</sup> 457 m <sup>2</sup> 1,828 m <sup>2</sup>	319 yd <sup>2</sup> 1,278 yd <sup>2</sup> 547 yd <sup>2</sup> 2,187.5 yd <sup>2</sup>	

### GLASPAVE™ 50

Property	Metric	Imperial	Test Method
Tensile Strength (MD x XD) (Ultimate)	60 x 60 +/- 15 kN/m	343 x 343 +/- 85 lbs/in	ASTM D5035
Tensile Elongation	3.5 +/- 1.5%	3.5 +/- 1.5%	ASTM D5035
Secant Stiffness EA @ 1% Strain (MD x XD)	1,715 x 1,715 +/- 430 N/mm	9,795 x 9,795 +/- 2,455 lbs/in	ASTM D6637-01 / EN-ISO 10319:2008
Young's Modulus E	73,000 MPa	10.6 x 10 <sup>6</sup> psi	
Mass per Unit Area	237 g/m <sup>2</sup>	7.0 oz/yd <sup>2</sup>	ASTM D5261 / ISO 9864
Asphalt Retention	0.47 l/m <sup>2</sup>	0.10 gal/yd <sup>2</sup>	ASTM D6140 / EN 15381:2008
Melting Point	>232° C	>450° F	ASTM D276 / EN-ISO 3146
Roll Size	2.0 x 104.2 m	78.75 in x 120 yds	
Roll Area	219.5 m <sup>2</sup>	262.5 yd <sup>2</sup>	

#### When to use GlasPave 50

GlasPave 50 is needed when a 50 kN/m product is specified. GlasPave 50 is a more economical solution compared to 50 kN/m composite grids, as it is 30% lighter and uses 25% less asphalt binder to saturate, while still creating a waterproofing membrane.

GlasPave™ 25 is designed to meet ASTM D7239, "Hybrid Geosynthetic Paving Mat for Highway Applications" Type 1. GlasPave™ 50 exceeds ASTM D7239, "Hybrid Geosynthetic Paving Mat for Highway Applications" Type 1. 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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