

# Technical Data Sheet

Pavegrid® grades are specifically developed for new asphalt road construction and rehabilitation of older roads. The main functions are Stress Relief (SR), Sealing (S) and Reinforcement (R). Pavegrid® is used between asphalt layers or applied directly to concrete surfaces or on cement stabilised layers\*. Pavegrid® conforms to EN BS 15381:2008. \*Requires a stable substrate

Pavegrid® consists of a high modulus, open fibreglass geogrid, custom knitted in a stable construction, coated with specially formulated polymers, bonded to a 100g/m<sup>2</sup> non-woven, staple fibre, needle punched polypropylene geotextile. Every component of the matrix is stabilised against UV degradation and is inert to biological and chemical attack.

Property	Test Method	Unit	50	100	200
Function			SR+S+R	SR+S+R	SR+S+R
Tensile Strength MD/CMD	EN ISO 10319	kN/m <sup>2</sup>	>50/50	>100/100	>200/100
Elongation at Break	EN ISO 10319	%	<3	<3	<3
Grid Size		mm	25x25	25x25	25x25
Elastic Modulus		GPa	76	76	76
Melting Point-Glass Fibre	ASTM D 276	°C	>335	>335	>335
Melting Point-Polymer Coating	ASTM D 276	°C	>250	>250	>250
Melting Point-Polypropylene	ASTM D 276	°C	175	175	175
Physical/Chemical Stability			Yes	Yes	Yes
Polymer Coating Treatment			Asphaltic		
Mass per Unit Area-Glass Fibre	EN ISO 965	g/m <sup>2</sup>	200	400	550
Mass per Unit Area-Polypropylene	EN ISO 965	g/m <sup>2</sup>	100	100	100
Polypropylene Bitumen Retention Value	ASTM D 6140	g/m <sup>2</sup>	745/1117.5	745/1117.5	745/1117.5
Ashphalt Overlay Temperature		°C	<175	<175	<175
Nominal Thickness		mm	1.5-2.0	1.5-2.0	1.5-2.0
Roll Width		m	1.0/2.0	1.0/2.0	1.0/2.0
Roll Length		m	75/75	75/75	75/75
Roll Area		m <sup>2</sup>	75/150	75/150	75/150
Packaging		roll	Cardboard tube, white HDPE bags		

A quality management system according to BS EN 15381:2008, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007 is used with the objective to achieve complete customer satisfaction. An internal laboratory leads the quality control procedures for the range and for the development of new products. Random testing and co-operation with UKAS laboratories are a guarantee of an optimised quality control system. Pavegrid® is manufactured exclusively for Road Solutions Ltd by Giridhar Techfab Private Ltd.

The values and tolerances given are obtained at manufacture and at accredited testing institutions. The information given in this data sheet is to the best of our knowledge true and correct. Road Solutions Ltd reserve the right to make changes at any time without notice.