

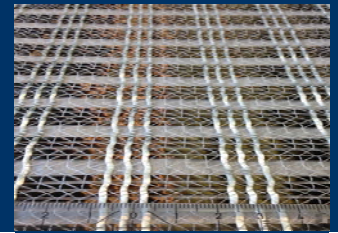
PGM-B

Technical Data

PGM-B paving composites are made of mechanically bonded 100% PP continuous filament nonwoven reinforced by high modulus basalt filament yarns.

PGM-B was especially developed to bridge longitudinal cracks or joints.

In accordance with EN 15381 the main functions are Stress Relief (STR), Sealing (B) and Reinforcement (R). The product is used between asphalt layers, applied directly on concrete surfaces or on cement stabilised layers.



TenCate Polyfelt® PGM-B

Properties	Standard	Unit	PGM-B 100/100		PGM-B 100/200	
Functions	EN 15381		STR + B + R			
Type of product			Asphalt Geocomposite, mechanically bonded continuous filament non-woven with mineral filament reinforcement			
Raw material			100% polypropylene, UV stabilised and alkali resistant mineral filaments with high bitumen affinity			
Tensile strength	MD* / CD*	EN ISO 10319	kN/m	100 / 100	100 / 200	
Tensile strength at 1.5%	MD* / CD*	EN ISO 10319	kN/m	70 / 80	70 / 170	
Elongation at break	MD* / CD*	EN ISO 10319	%	2.2 / 1.7	2.2 / 1.7	
Bitumen retention**		EN 15381	kg/m ²	1.1	1.1	
**Bitumen required to saturate paving fabric only. This value does not indicate the bitumen application rate required for construction.						
E-Modulus (glass)			MPa	80 000	80.000	
E-Modulus (mineral fibre)			MPa	89 000	89.000	
Aperture size (appr.)	MD* / CD*		mm	17 / 17	17/17	
Mass of non woven		EN ISO 9864	g/m ²	140	140	
Total Mass per unit area		EN ISO 9864	g/m ²	550	780	
Melting point		EN ISO 3146		Reinforcing filaments are incombustible and Temperature resistant up to 400° C		
Forms of Supply						
Width			m	0.95 1.90	0.95	1.90
Length			m	100 100	75	75
Area			m ²	95 190	71.25	142.5
Roll weight (+- 10%)			kg	55 60	60	115
Rolls per pallet				12 12	12	12
Roll diameter (app.)			m	0.42 0.42	0.44	0.44
Inner core diameter			m	0.12 0.12	0.12	0.12
Recycling				100% recyclable with conventional methods		

* MD = Machine Direction * CD = Cross Direction

These values given are indicative and correspond to average values obtained in our laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

The rolls must be kept in dry place! Installation Guidelines must be observed!

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