

PGM-B

Technical Data

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

TenCate Polyfelt® PGM-B was especially developed to bridge longitudinal cracks or joints. In accordance to 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 stabilized layers.



TenCate Polyfelt® PGM-B

Properties	Standard	Unit	PGM-B 100/100	PGM-B 100/200	
Functions	EN 15381	-	STR + B + R	STR + B + R	
Type of product	-	-	Asphalt Geocomposite, mechanically bonded continuous filament non woven with mineral filament reinforcement		
Raw Material	-	-	100 % polypropylene, UV stabilized and alkali resistant mineral filaments with high affinity to bitumen		
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 (indicative)	MD*/CD*		mm	17 x 17	17 x 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	°C	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	110	60 115
Rolls per pallet		-	12	12	12 12
Roll diameter		m	0.42	0.42	0.40 0.40
Inner core diameter		m	0.12	0.12	0.12 0.12
Recycling			100 % recyclable with conventional methods		

* MD = Machine Direction / CD = Cross Direction The values given are indicative and correspond to average values obtained in our laboratories and in independent 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!

TENCATE GEOSYNTHETICS AUSTRIA GMBH
Schachermayerstr. 18 Tel. +43 732 6983 0, Fax +43 732 6983 5353
A-4021 Linz, Austria service.at@tencate.com, www.tencategeosynthetics.com

BeNeLux Tel. +31 546 544 811 service.nl@tencate.com
Central Eastern Europe Tel. +43 732 6983 0 service.at@tencate.com
Czech Republic Tel. +420 2 2425 1843 service.cz@tencate.com
France | Africa Fax +33 1 34 23 53 48 service.fr@tencate.com
Germany Tel. +49 30 3435 02 10 service.de@tencate.com
Italy Tel. +39 0362 34 58 11 service.it@tencate.com
Near Middle East Tel. +971 4810 3295 service.nme@tencate.com

Poland Tel. +48 12 268 8375 service.pl@tencate.com
Russia | CIS Tel. +43 732 6983 0 service.ru@tencate.com
Scandinavia | Baltics Tel. +31 546 544 811 geonordic@tencate.com
Spain | Portugal Tel. +34 607 499 962 service.es@tencate.com
Turkey Tel. +43 732 5983 0 service.tr@tencate.com
UK | Ireland Tel. +44 1952 588 066 service.uk@tencate.com



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