

ShieldMAT G10 Drainage Layer

PRODUCT INFORMATION

ShieldMAT G10 is a nodular sheet composed of high density polyethylene (HDPE) of brown colour. Nodule height is 7.5 mm. It is specially designed as drainage layer and for protection of underground walls.

PRODUCT INFORMATION			
Technical Data	Value	Unit	Standard
Reaction to fire	E	-	EN 13501-1
Liquid water watertightness (10 kPa)	Pass	-	EN 1928
Longitudinal tensile strength	> 250	N/50mm	EN 12311-2
Transversal tensile strength	> 200	N/50mm	EN 12311-2
Longitudinal elongation	> 30	%	EN 12311-2
Transversal elongation	> 20	%	EN 12311-2
Tear resistance (by nail)	300 + 100	N	EN 12310-2
Peel resistance	NPD	N/50mm	EN 12317-2
Shear resistance	170 + 30	N/50mm	-
Impact resistance	> 300	mm	EN 12691
Resistance to static loading	> 20	kg	EN 12730
Durability of watertightness against artificial aging (10 kPa)	Pass	Pass	EN 1296 / EN 1928
Durability of watertightness against chemical agents (10 kPa)	Pass	Pass	EN 1847 / EN 1928
Compressive strength	150 + 20%	kN/m	UNE-EN-ISO 604
Air volume between nodules	5.9	l/m	-
Temperature range	-30 to 80	C	-
Nodules number	1907	-	-

KEY FEATURES

- Quick and easy installation
- Resistant to breakage, impact and deformation
- Resistant to chemical agent of the soil
- Provides great durability of the building and the structures against humidity and external factors.
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- Protection of the waterproofing against punching of soil.
- It protects the wall avoiding direct contact with the humidity and it allows the drainage of the water, thus limiting the hydrostatic pressure.
- Provides great durability of the building and the structures against humidity and external factors.

Disclaimer

The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Shield Membranes reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.

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