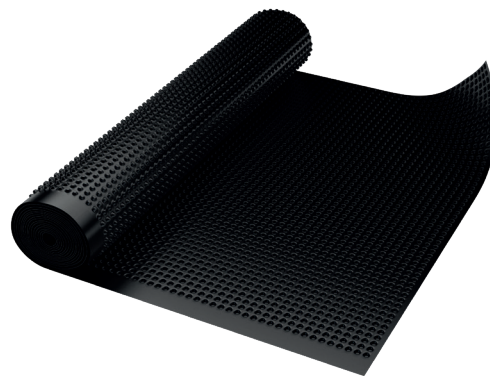


TECHNICAL DATA SHEET

Eurovent **GEO 8 500**

An embossed foundation foil made of high-density polyethylene (HDPE), with a thickness of 0.52 mm. Designed for use in insulation and drainage systems, in retaining and foundation walls, bridge abutments, ceiling slabs, tunnels, for sealing ditches, retention reservoirs, and drainage channels. It also serves as a separation and sealing barrier in the construction of roadbeds, railways, and airports, and as a protective layer against mechanical damage to insulation layers in flat roofs.



PARAMETER	VALUE	UNIT	NORM
Watertightness	Watertightness to 60 kPa	-	EN 1928:2002 (60 kPa)
Waterproofing after artificial aging	Watertightness to 60 kPa	-	EN 1928:2002 after testing according to EN 1296 (70°C / 12 weeks)
Watertightness after chemicals	Watertightness to 60 kPa	-	EN 1928:2002 after testing according to EN 1847 (23°C/ 28 days)
Tensile strength	MD ≥ 8,0 CMD ≥ 8,4	[kN/m]	PN-EN ISO 10319:1996
Elongation at break	MD ≥ 30 CMD ≥ 25	[%]	PN-EN ISO 10319:1996
Maximum tensile force	MD ≥ 343 CMD ≥ 374	[N/50 mm]	EN 12311-2:2013
Elongation	MD ≥ 122 CMD ≥ 91	[%]	EN 12311-2:2013
Compression strength	≥ 230 kN/m ² ≥ 230 kPa (≥ 23 t/m ²)	-	EN ISO 25619-2
Reaction to fire	Klasa F	-	EN 13501-1
Static puncture resistance (CBR)	> 820	[N]	GGM 1701
Dynamic puncture resistance (cone method)	≤ 19	[mm]	PN-EN 13433
Drainage capacity	276	[l/min/m]	-
Stud height (product thickness)	8,0	[mm]	-
Surface mass	500 (+/- 10%)	[g/m ²]	PN-EN 9864-1:2007
Thickness (cross-section)	0,52 (+/- 10%)	[mm]	PN-EN ISO 9863-1:2007
Microbiological resistance	Zachowana wytrzymałość 100%	-	PN-EN 12225
Temperature resistance	- 40 do + 80	[°C]	-

Advantages:

- Resistance to moisture and chemicals
- Compression resistance
- Provides drainage and ventilation
- Replaces "lean concrete"

Eurovent GEO 8 500

Application:

The GEO 8 500 foundation foil is used in various areas of residential and industrial buildings. Installed between the foundation wall and the ground, it creates a moisture barrier, protection against mechanical damage, and shielding from the harmful effects of tree and shrub roots. It serves drainage and ventilation functions for vertical foundation walls and protects them from moisture. When used in terrace and balcony areas, it prevents moisture from penetrating the concrete layer, equalizes hydrostatic pressure, and acts as a drainage layer that directs leaking water from the floor or gravel to drainage pipes. In ceiling insulation applications, it protects against moisture and enables even pouring of the concrete floor.

Additional information:

Trwałość min. 25 lat w gruntach naturalnych o $4 < \text{pH} < 9$ i temp. $< 25^{\circ}\text{C}$

Storage / transport:

The product should be stored in an original package, in dry, covered and free from moisture and UV radiation places. The foil is heavy, therefore we recommend storing either on original EURO pallets, or other pallets suitable for storing heavy items. The product should be transported by covered means of transport and protected from damage. Prepared for transport in a manner that protects them from damage and destruction. During transport safety regulations must be observed.

The product is covered by the warranty provided that the guidelines contained in the technical sheet are strictly adhered to. The manufacturer reserves the right to refuse to accept the complaint in the event of non-compliance with the presented guidelines.

Contained information, advice and guidance is given based on our knowledge, researches, experience and in good faith. We are not responsible for the consequences of improper or incorrect use of our products. Each user of this material will ensure in every possible way, including an examination of the final product in the relevant conditions, the suitability of supplied materials to achieve the objectives pursued by him.

Product information can be found on the website: www.eurovent.de

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