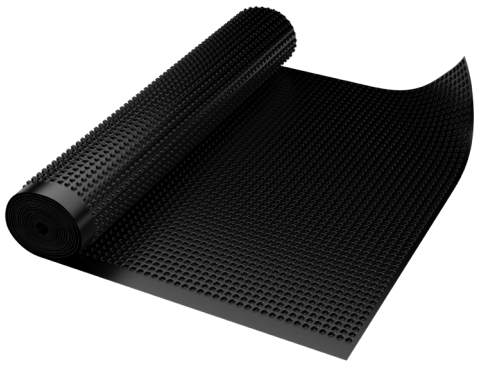
WE DEVELOP ROOFING IDEAS

Eurovent®

TECHNICIAL 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	UNIT	VALUE
Watertightness	-	Watertightness to 60 kPa
Waterproofing after artificial aging	-	Watertightness to 60 kPa
Watertightness after chemicals	-	Watertightness to 60 kPa
Tensile strength	[kN/m]	MD ≥ 6,0 (-2,0) CMD ≥7,0 (-2,0)
Elongation at break	[%]	MD ≥ 30 CMD ≥ 25
Maximum tensile force	[N/50mm]	MD ≥ 235 CMD ≥ 230
Elongation	[%]	MD ≥ 35 CMD ≥ 30
Compression strength	-	≥ 230 kN/m² ≥ 230 kPa (≥ 23 t/m²)
Reaction to fire	-	Class F
Static puncture resistance (CBR)	[N]	> 820
Resistance to static load	[kg/24h]	> 20
Drainage capacity	[l/min/m]	276
Stud height (product thickness)	[mm]	8,0
Surface mass	[g/m²]	500 (± 10%)
Thickness (cross-section)	[mm]	0,52 (± 10%)
Microbiological resistance	-	100% strength retention
Temperature resistance	[°C]	-40 to +80

Eurosystem Polska Sp. z o.o. Sp.K.
ul. Wiejska 13, 46-055 Przywory, Poland

WE DEVELOP ROOFING IDEAS

Eurovent

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:

Durability: minimum 25 years in natural soils with $4 < pH < 9$ and temperature below 25°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 no 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

Update date: 13/11/2026

Eurosystem Polska Sp. z o.o. Sp.K.
ul. Wiejska 13, 46-055 Przywory, Poland

www.eurovent.de