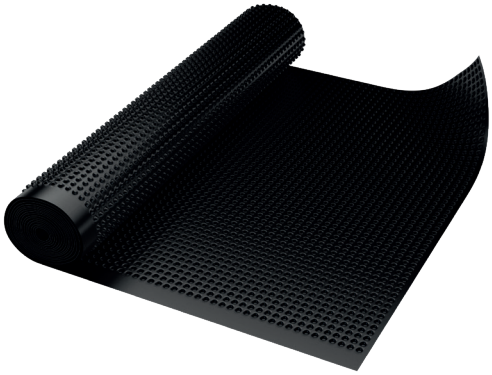
WE DEVELOP ROOFING IDEAS

Eurovent®

TECHNICIAL DATA SHEET

# Eurovent GEO 8 600



An embossed foundation foil made of high-density polyethylene (HDPE) with a thickness of approx. 0.62 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, as well as a protective layer against mechanical damage to insulation layers and a root barrier layer 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 ≥ 9,4<br>CMD ≥ 9,9 | [kN/m] | PN-EN ISO 10319:1996 |
| Elongation at break | MD ≥ 30<br>CMD ≥ 28 | [%] | PN-EN ISO 10319:1996 |
| Maximum tensile force | MD ≥ 434<br>CMD ≥ 412 | [N/50 mm] | EN 12311-2:2013 |
| Elongation | MD ≥ 109<br>CMD ≥ 77 | [%] | EN 12311-2:2013 |
| Compression strength | 300 t/m²<br>300 kPa / 30 t/m² | - | EN ISO 25619-2 |
| Reaction to fire | Klasa F | - | EN 13501-1 |
| Static puncture resistance (CBR) | > 950 | [N] | GGM 1701 |
| Stud height (product thickness) | 8,0 | [mm] | - |
| Surface mass | 600 | [g/m²] | PN-EN 9864-1:2007 |
| Thickness (cross-section) | 0,6 | [mm] | PN-EN ISO 9863-1:2007 |
| Microbiological resistance | 100% strength retention | - | PN-EN 12225:2002 |
| Temperature resistance | - 40 do + 80 | [°C] | |

## Adventages:

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

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## Application:

The GEO 8 600 foundation foil is used in various areas of residential and industrial buildings. Installed between the foundation wall and the ground, it forms a moisture barrier, protection against mechanical damage, and shielding from the harmful effects of tree and shrub roots. It performs drainage and ventilation functions for vertical foundation walls and protects them against moisture. When used in terraces and balconies, it prevents moisture from penetrating the concrete layer, equalizes hydrostatic pressure, and acts as a drainage layer that directs water leaking from the floor or gravel to drainage pipes. In ceiling insulation applications, it protects against moisture and enables the even pouring of concrete flooring.

## Additional information:

Durability: minimum 25 years in natural soils with 4<pH<9 and temperatures 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.



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

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