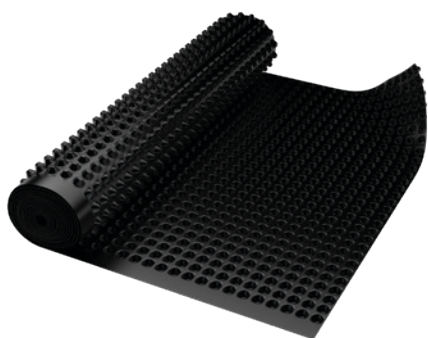


## TECHNICAL DATA SHEET



### Eurovent **GEO 20**

Drainage foundation membrane made of high-density polyethylene (HDPE) with a parallel arrangement of embossed studs with a height of 20 mm. It is intended for creating waterproofing systems in buildings in both vertical and horizontal applications. It offers very high compressive strength, and the high embossments provide enhanced drainage capacity. Additionally, it forms a layer of thermal and acoustic insulation. It is resistant to acids, alkalis, solvents, bacteria, fungi, and plant roots.

PARAMETER	VALUE	STANDARD
Water tightness	Waterproof at 60 kPa	EN 1928:2002 (60 kPa)
Water tightness after artificial ageing	Waterproof at 60 kPa	EN 1928:2002 after testing according to EN 1296 (70 °C / 12 weeks)
Water tightness after exposure to chemicals (lime milk)	Waterproof at 60 kPa	EN 1928:2002 after testing according to EN 1847 (23 °C / 28 days)
Maximum tensile force	MD ≥ 503 N/50 mm CMD ≥ 491 N/50 mm	EN 12311-2:2013
Elongation	MD 70 % (± 10,3) CMD 65 % (± 3,9)	EN 12311-2:2013
Compressive strength	160 kN/m <sup>2</sup> 160 kPa / 16 t/m <sup>2</sup>	EN ISO 25619-2
Static puncture resistance (CBR)	> 1000 N	Int.Meth.
Reaction to fire	Class F	EN 13501-1
Number of studs	approx. 400 pcs.	-
Stud height (product thickness)	20 mm	-
Mass per unit area	800 g/m <sup>2</sup>	PN-EN 9864-1:2007
Thickness (cross-section)	0,82 mm	PN-EN ISO 9863-1:2007
Microbiological resistance	Maintained strength 100%	PN-EN 12225:2002
Temperature resistance	- 40 °C to + 80 °C	



## Eurovent **GEO 20**

**Application:** It is used as vertical insulation for foundation walls, especially recommended for works carried out at great depths, such as the construction of underground railways, underground car parks, tunnels, and other similar structures, where it performs both protective and drainage functions. Thanks to the high profile of the embossments, it creates a larger drainage surface compared to products with standard embossments. It is particularly effective in securing structures where limited space does not allow for formwork installation – in such cases, it acts as so-called lost formwork and is installed between the sprayed concrete layer and the final concrete wall. It is also used as horizontal insulation in deeply founded structures where there is a risk of periodic groundwater flooding. In such cases, it is laid with a slope between the foundation slab and the screed or concrete topping.

**Safety:** The product is not intended for consumption, avoid contact with eyes. In case of skin irritation, consult a doctor.

**Storage / transport:** The product should be stored in its original packaging, in dry, covered rooms, free from moisture. Wedge gaskets may deform and lose shape under heavy and prolonged load. Therefore, it is recommended not to stack the product with other heavy items (both during transport and storage). Transport should be carried out in covered vehicles, secured against damage. During transport, all transport safety regulations must be observed. The product must be protected from exposure to chemicals that could reduce its technical performance or cause permanent damage.

The product is covered by warranty provided that the guidelines contained in the technical data sheet are strictly followed. The manufacturer reserves the right to refuse warranty claims in case of non-compliance with these 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](http://www.eurovent.de)

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