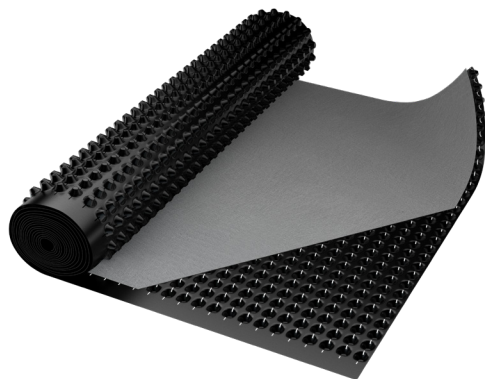


TECHNICAL DATA SHEET

Eurovent **GEO 20 GARDEN DUO**

Drainage-retention foil made of high-density polyethylene (HDPE) with a parallel arrangement of embossed studs with a height of 20 mm and additional perforation. Integrated with a polypropylene (PP) filter fabric, the studs retain water while excess water is drained away.

PARAMETER	UNIT	VALUE
Material composition		High-density polyethylene (HDPE) + PP nonwoven fabric
Cross-sectional thickness	[mm]	1.3 ± 0.26
Mass per unit area	[g/m ²]	1100
Dimple height	[mm]	20
Number of dimples		400
Reaction to fire		F
Tensile strength longitudinal MD	[kN/m]	17,5
Tensile strength transverse CMD	[kN/m]	16,6
Elongation longitudinal MD	[%]	50 ± 10.3
Elongation longitudinal CMD	[%]	55 ± 7.9
Compressive strength	[kN/m ²]	> 200
Temperature resistance	[°C]	- 40 to + 80
Air volume between geotextile and membrane	[l/m ²]	14
Water storage capacity	[l/m ²]	6
In-plane drainage capacity qP (drainage capacity)	[l/ms]	10.6 (±1.6)
Perforation size	[mm]	6 x 2
Permeability qN	[l/m ² /s]	70
Roll size	[m x mb]	2,0 x 10
Pallet	[rolls]	5



TECHNICAL DATA SHEET

Eurovent **GEO 20 GARDEN DUO**

Application: It is used as horizontal waterproofing in building structures for the construction of “green roofs.” It creates a drainage surface that removes excess water during periods of heavy rainfall. At the same time, the high embossments act as water reservoirs supplying vegetation with the necessary amounts of water. The integrated nonwoven fabric provides filtration and protects the embossments from being filled with soil substrate.

Safety: The product is not intended for consumption. Avoid contact with eyes. In the event of skin irritation, consult a physician.

Storage / transport: The product should be stored in dry, covered areas free from moisture and UV radiation, in original, undamaged, and closed packaging. The product should be transported using covered means of transport and prepared in a way that protects it against damage and destruction. During transport, transport safety regulations must be observed. The product must be protected from exposure to chemicals, especially solvent-based substances, as they may reduce the technical parameters of the foil or cause permanent damage.

The product is covered by a warranty provided that the guidelines included in the technical data sheet are strictly followed. The manufacturer reserves the right to refuse warranty claims in the event of failure to comply with the specified 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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