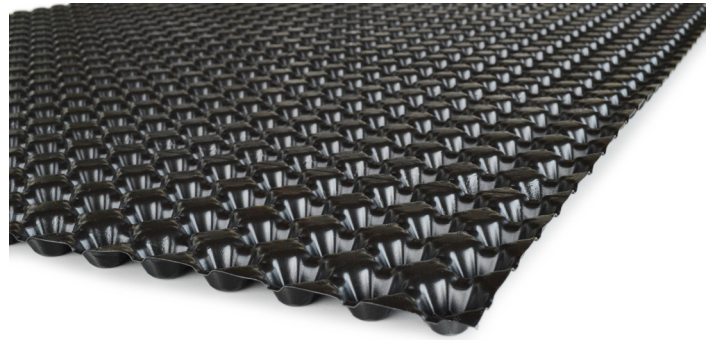


OPTIGRÜN FKD 20

Drainage and Storage Board

Made from deep-drawn recycled HDPE with water reservoir function, channel system on the underside for drainage, and with diffusion and drainage holes. For use on extensive green roofs with a multilayer construction. Suitable for use on inverted roofs. Not suitable for use under walking surfaces or road surfaces.



Material	Recycled HDPE
Nominal thickness	approx. 20 mm
Grammage	approx. 900 g/m ²
Colour	black/grey
Compressive strength	approx. 120 kN/m ²
Filling volume	for filling flush to the upper edge panel approx. 6.0 l/m ²
Water discharge capacity	i = 0.01 (=1 % roof pitch): 0.68 l/(m*s) i = 0.02 (=2 % roof pitch): 0.97 l/(m*s) i = 0.05 (=5 % roof pitch): 1.59 l/(m*s) i = 0.1 (=10 % roof pitch): 2.29 l/(m*s) i = 1 (vertical): 7.62 l/(m*s)
Water reservoir unfilled	approx. 5.3 l/m ²
Water reservoir filled	approx. 1.6 l/m ²
Quantity/delivered unit	2 m ² /panel = 2.0 x 1.0 m 1,000 m ² /pallet
Delivery form	500 pieces = 1,000 m ² on disposable pallet 2.05 x 1.05 m
Pack size	LxWxH 2,000 x 1,000 x 20 mm
Delivery weight	approx. 1.8 kg/panel - approx. 925.0 kg/full disposable pallet

Area of use

As a drainage and storage board under extensive green roofs in a triple-layer structure with filter leecce FIL 105 and extensive multi layer substrate E on flat roofs up to RP 5° (= 8.8%).
- Not suitable for use under walking surfaces or road surfaces

Specific properties

- 100% recycled HDPE
- Drainage according to DIN 4095
- Safe and targeted guiding of excess water
- Depositing of water in the recesses
- Low weight
- Also suitable for non-pitched roofs
- Lightweight super structure with high drainage capacity
- Recyclable

The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

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