

OPTIGRÜN FKD 10

Protection and Drainage Board

Made from deep-drawn HDPE with no water reservoir function with channel system on the upper side and fleece lining for drainage under flagging on roof areas. Use also as vertical building drainage.



Material	Recycled HDPE (napped sheet) PP (fleece)
Nominal thickness	approx. 10 mm
Grammage	approx. 750 g/m ² (total) approx. 615 g/m ² (napped sheet) approx. 135 g/m ² (fleece)
Colour	grey/black
max. compressive strength	Approx. 400 kN/m ² (40 t/m ²) with 18 % compression (in accordance with DIN EN ISO 25619-2) approx. 185 kN/m ² with 10 % compression
Filter fleece	PP thermally strengthened, GRC 2, flow rate with 100 mm water column 75 l/m ² x s
Water discharge capacity (DIN EN ISO 12958)	Measured at: $\sigma = 20$ kPa, soft/hard, MD, with filter fleece on the upper side: i = 0.02 (=2 % roof pitch): 0.45 l/(m*s) i = 0.05 (=5 % roof pitch): 0.71 l/(m*s) i = 1 (vertical): 3.50 l/(m*s)
Reduction in foot fall sound inspected in accordance with EN ISO 10140 assessed in accordance with ISO 717-2	Improvement in foot fall sound for the following layer structures: ΔLw 29 dB RMS 950 TS, FKD 10, 40 mm chippings, 40 mm concrete slab
Quantity/delivered unit	25 m ² /roll = 2.0 x 12.5 m Coverage dimensions 24.0 m ² /roll 150 m ² /pallet
Delivery form	according to size of order
Delivery weight	approx. 19.0 kg/roll approx. 138 kg/disposable pallet
Pack size	Diameter approx. 0.40 m, height approx. 2.0 m / per roll

Area of use

- As a drainage element under floor surfaces used on foot
- As a drainage element under vegetation areas with no need for water reservoir but increased pressure load
- Vertically along ascending, filled structural components or as foundation wall drainage
- Use only on roof surfaces with a minimum of 2% regular gradient of the sealing plane

Specific properties

- 100% recycled HDPE
- CE-marked CE-1213-CPR-5584
- Pressure stable
- Prevents accumulation of water
- Lightweight super structure with high drainage capacity
- Compressive strength approx. 400 kN/m² (40 t/m²)
- Thermally strengthened filter fleece layer with 75 l/m² x s flow rate with 100 mm water column.
- 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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