

OPTIGREEN FKD 10GF

Protection and Drainage Board

Made from deep-drawn HDPE with no water reservoir function with channel system on the upper side and fleece lining as well as PE film adhered on the reverse for drainage under flagging on roof areas. Use also as vertical building drainage on bituminous or other waterproofing.



Material	HDPE (napped sheet), PP (fleece), PE (slip layer)
Nominal thickness	approx. 10 mm
Grammage	approx. 850 g/m ² (total) approx. 615 g/m ² (napped sheet) approx. 135 g/m ² (fleece) approx. 100 g/m ² (slip layer)
Colour	black/grey
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, 135 g/m ² , passage capacity 100 l/m ² *s
Slip layer	PE black, approx. 160 µ, friction coefficient <0.6
Water discharge capacity (DIN EN ISO 12958)	Measured at: $\sigma = 20$ kPa, soft/hard, MD=CMD, with 136 g/m ² filter fleece on the upper side: i = 0.02 (=2 % roof pitch): 0.55 l/(m*s) i = 0.03 (=3 % roof pitch): 0.67 l/(m*s) i = 1 (vertical CMD): 3.34 l/(m*s)
Quantity/delivered unit	25 m ² /roll = 2.0 x 12.5 m Coverage dimensions 24.0 m ² /roll
Delivery form	150.0 m ² (6 rolls) / disposable pallet
Delivery weight	approx. 23.0 kg/roll approx. 153 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 footwith increased frequency.
- As a drainage element under vegetation areas with no need for a water reservoir but increased pressure load.
- Vertically along ascending, filled structural components foundation wall drainage.

Specific properties

- 100% recycled HDPE
- CE-marked CE-1213-CPR-5584
- Pressure stable
- Prevents accumulation of water
- 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 Optigreen's technical knowledge at the time of publication. Optigreen 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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