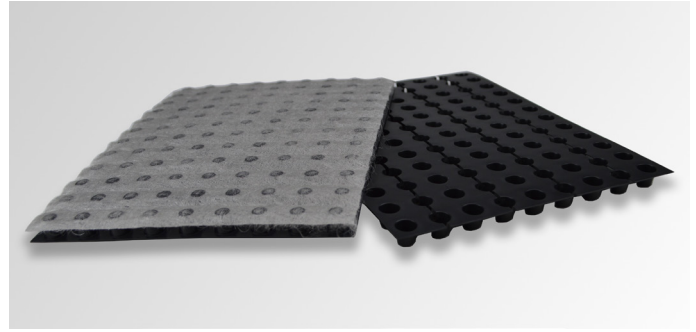


OPTIGREEN FKD 10UK

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. Open to diffusion and suitable for inverted roofs.



Material	Recycled HDPE (napped sheet) PP (fleece)
Nominal thickness	approx. 10 mm
Grammage	approx. 740 g/m ² (total) approx. 605 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 = 0.01 (=1 % roof pitch): 0.33 l/(m*s) 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)
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

- Open to diffusion
- Suitable for inverted roofs
- CE-marked CE-1213-CPR-5584
- 100% recycled HDPE
- 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 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.

Optigrün international AG

Am Birkenstock 15 – 19,
72505 Krauchenwies-Göggingen
Tel. +49 7576 772-0, Fax +49 7576 772-299, info@optigruen.de

Optigreen Limited (Service UK only)

Suite G5 Albany Chambers, 26 Bridge Road East
Welwyn Garden City (Herts), AL7 1HL
Phone +44 203 5899400, Fax +44 207 1171664, info@optigreen.co.uk

