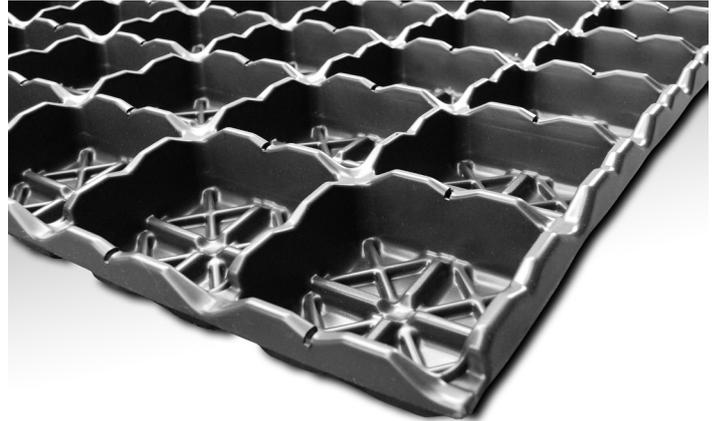


OPTIGREEN FKD 60B0

Drainage and Storage Board

Highly resilient plastic panel made from deep-drawn recycled HDPE with water reservoir function, channel system with water vapour permeability on the underside for drainage and with diffusion and drainage holes on the top. For use on intensive green roofs with a multi layer construction with water accumulation. Suitable for use on inverted roofs.



Material	Recycled HDPE
Nominal thickness	approx. 60 mm
Grammage	approx. 2.5 kg/m ²
Colour	black/grey
Compressive strength filled	Approx. 695 kN/m ² with 10% compression, filled flush
Loose capacity	approx. 45.0 l/m ² (for Perl-type filling flush to upper edge of panel)
Water discharge capacity (DIN EN ISO 12958)	Measured at: $\sigma = 20$ kPa, soft/hard, MD, with a FIL 105 filter fleece on the upper side: $i = 0.01$ (=1 % roof pitch): 0.578 l/(m*s) $i = 0.02$ (=2 % roof pitch): 0.833 l/(m*s) $i = 0.05$ (=5 % roof pitch): 1.356 l/(m*s) $i = 0.1$ (=10 % roof pitch): 1.944 l/(m*s) $i = 1$ (vertical): 6.483 l/(m*s)
Water reservoir	approx. 23.0 l/m ² (filled with drainage material Perl 8/16)
Quantity/delivered unit	approx. 2.06 m ² /panel approx. 370.8 kg/disposable pallet
Delivery form	Approx. 370.8 m ² / 180 pieces on disposable pallet 2.05 x 1.05 m
Pack size	LxWxH 1,998 x 1,031 x 60 mm
Delivery weight	approx. 5.15 kg/panel - approx. 950.0 kg/full disposable pallet

Area of use

- Under intensive green roofs filled with a drainage material 8/16
- Under greenable surfaces that can temporarily be driven on (e.g. fire brigade access, parking places, etc.) e.g. with gravel lawn base layers on the filter layer.

Specific properties

- Specifically on inverted roofs with a need for openness to vapour diffusion
- 100% recycled HDPE
- Drainage according to DIN 4095
- High water storage capacity
- Rapid discharge of excess water
- Low weight
- Prevents accumulation of water for non-pitched roofs and large drainage lengths
- Lightweight super structure with high drainage capacity
- Water accumulation possible
- 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

