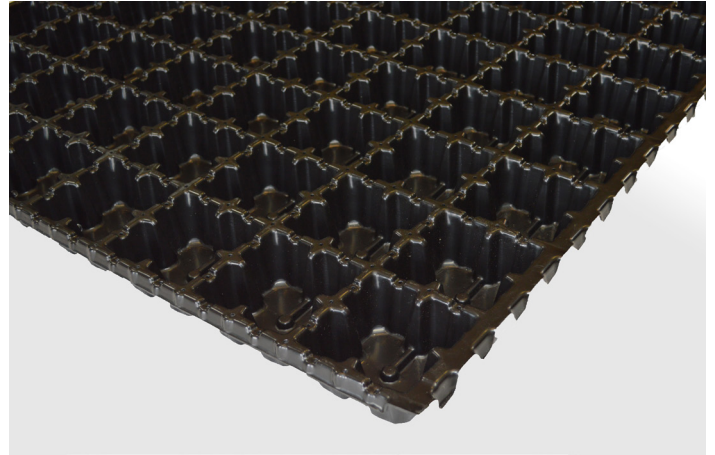


# OPTIGRÜN FKD 60BO

## Drainage and Storage Board

Drainage and Storage Board made of recycled HDPE with a high water reservoir. Highly resilient with channel system on the underside and diffusion and drainage holes on the top side.



<b>Material</b>	Recycled HDPE
<b>Nominal thickness</b>	approx. 60 mm
<b>Grammage</b>	approx. 2.3 kg/m <sup>2</sup>
<b>Colour</b>	black/grey
<b>Loose capacity</b>	approx. 45 l/m <sup>2</sup>
<b>Water reservoir filled</b>	approx. 23 l/m <sup>2</sup>
<b>Water reservoir unfilled</b>	approx. 36 l/m <sup>2</sup>
<b>Compressive strength filled</b>	approx. 650 kN/m <sup>2</sup> with 10% compression, filled flush with chippings 2/5
<b>Water discharge capacity (DIN EN ISO 12958)</b>	Measured at: $\sigma = 20$ kPa, soft/hard, MD, with a FIL 105 filter fleece on the upper side: $i = 0.01$ (=1 % roof pitch): 1.58 l/(m*s) $i = 0.02$ (=2 % roof pitch): 2.29 l/(m*s) $i = 0.05$ (=5 % roof pitch): 3.64 l/(m*s) $i = 0.1$ (=10 % roof pitch): 5.15 l/(m*s) $i = 1$ (vertical): 16.83 l/(m*s)
<b>Quantity/delivery unit</b>	Panels Panel measurements: 2.34 x 1.004 m approx. 2.30 m <sup>2</sup> /panel
<b>Delivery form</b>	Disposable pallet with 180 panels approx. 414 m <sup>2</sup> /pallet
<b>Pack size</b>	LxWxH 2.36 x 1.06 x 1.9 m
<b>Delivery weight</b>	approx. 980 kg/disposable pallet

### Area of use

- Under intensive roof greening in multi-layer construction filled with Drainage Material Perl 8/16
- Under temporarily drivable gravel lawn without gravel base layer filled with Drainage Material Perl 8/16

### Specific properties

- Unfilled installation under intensive roof greening is possible with a substrate height of up to 400 mm in combination with Optigrün Filter Fleece FIL 300 (it is not possible for vehicles of any kind to drive over the unfilled Optigrün Drainage and Storage Board FKD 60BO)
- Suitable for non-pitch roofs
- Rapid draining of excess water
- Vapour permeable - suitable for inverted roofs
- Lightweight super structure with high drainage capacity
- Surrounding edge overlaps
- Filling without risk of shifting apart
- Cross and T-joints possible - minimal offcuts
- Has a European Technical Assessment (ETA-13/0557) as part of the Optigrün system solutions



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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