

OPTIGREEN 15

Solarbase

Greenable substructure secured with a superimposed load, comprised of a plastic panel and aluminium profiles for the penetration-free elevation of photovoltaic modules with a 15° incline with a water reservoir function and underside channel system for drainage. For green roofs from 0°-5° roof pitch.



Material	HDPE (base plate) Aluminium (mounting frame)
Dimensions	L 1,980 x W 970 x H 60 mm
Colour	Black (base plate) Natural aluminium (mounting frame)
Weight	Approx. 7.5 kg/piece
Loose capacity	Approx. 25 l/m ²
Water discharge capacity	i = 0.01 (=1 % roof pitch): 0.4 l/(m*s) i = 0.02 (=2 % roof pitch): 0.6 l/(m*s) i = 0.05 (=5 % roof pitch): 1.0 l/(m*s)
Water reservoir	approx. 15.0 l/m ² (filled with substrate)
Snow load	3.6 kN/m ² (360 kg/m ²)
Special accessories	- KnickFix aluminium bracket in the total length 1640 mm - Assembly profile to hold the photovoltaic modules consisting of: Aluminium profile in the dimensions 45 x 45 x 6,000 mm module clamps based on the module frame height assembly material (screws + module clamps)
Quantity/delivered unit	Max. 50 pieces/special pallet
Delivery form	On special pallet by forwarding agent
Pack size	Approx. H 1.70 m x W 1.05 m x L 2.05 m
Delivery weight	Approx. 7.5 kg/piece Approx. 400 kg/special pallet

Area of use

For roofs intended for greening or gravelling with additional PV use.

Specific properties

- Static calculation for supporting structure in accordance with DIN 1055 Part 4 and Eurocode 1
- For green roofs from 0°-5° roof pitch
- Penetration-free assembly on the roof.
- Greenable
- Permitted for local snow loads up to max. $s_k = 3.6 \text{ kN/m}^2$ (360 kg/m²)
- 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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