Data Sheet

OPTIGREEN ®
ROOF GREENING

PV Module Support Profile Type Sun-Root 15

Plastic base plate for securing solar modules angled at 15° and held in place by a super-imposed load on green roofs without penetrating the roof waterproofing. Made from deep-drawn recycled HDPE with underside drainage channel system.

Technical details and properties:

Material: Recycled HDPE, black
Dimensions:

Length:	1980 mm
Width:	970 mm
Height:	60 mm

Weight: 7.5 kg/pc

Accessories:
- "KnickFix"-angle made out of aluminium in the overall length of 1640 mm
- Mounting profile for holding the photovoltaic modules consisting of:
Aluminium profile in the dimensions of 45 x 45 x 6000 mm
Module clamps depending on the height of the module frame
Mounting material (screws)

Specific properties:
- Static calculation of the support structure as per DIN 1055 Part 4
- Penetration-free roof installation
- Plantable
- allowed for local snow loads up to max. sk = 2,3 kN/m² (230 kg/m²)

Fill volume: approx. 25 l/m²

Delivery form: Stacked on special pallets

Quantity per delivery unit: max. 50 pieces on a special pallets

Area of use: On planned green or gravel roofs with solar power modules

Installation
- Position and align on an RMS 500 protective surface in accordance with the Optigreen installation drawing
- Fasten the aluminium profile rails to the Sun-Root
- Apply substrate immediately after installation to protect against wind drift
Alternatively, fill panels with water instead of substrate (recommendable in summer for cooling)
(See also the Optigreen installation instructions)

Storage: Store flat and dry