

# Data Sheet

## 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.  $sk = 2,3 \text{ kN/m}^2$  (230 kg/m<sup>2</sup>)

**Fill volume:** approx. 25 l/m<sup>2</sup>

**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

*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. Errors and omissions excepted.*