

Data Sheet



SkyGard Railing

Weighed down railing system for installation on private or public flat roofs with a pitch of up to 3°. System with a patented articulated foot that permits an exact 3D positioning of the posts when applied to roofs with different pitches.



Technical details and properties:

Material:

Articulated foot for inserting posts:	Zinc diecasting (Zamac 5)
Lateral beams	Aluminium 2000 x 80 x 42 mm
Load-bearing plates:	Aluminium 400-1200 x 940 x 2 mm
Posts:	Aluminium 1000-1300 x 45 x 22 mm
Hand rail:	Aluminium 3000 x 60 x 40 mm or 3000 x 85 x 50 (in case of full cover)
Intermediate beams:	Aluminium 3000 x 30 x 30 mm
Facing:	Glass and/or aluminium (variable dimensions)
Coating:	Powder coating according to RAL chart

Special properties:

- Angle-adjustment at articulated foot:

X-axis:	-5° < 0° < +5°
Y-axis:	-3.2° < 0° < +3.2°
Torsion:	-5.2° < 0° < +5.2°
- Mounting area for posts 1840-2940 x 940 mm = if room available
- Approved sample according to ETB guidelines E.1
- No piercing of the roof membrane
- No heat bridges
- No sound propagation into the roof structure
- Variable heights and post separations, in compliance with statics considerations
- Climb over security according to Land Building Code (LBO)
- Glass cover made of 2 panes of laminated glass (VSG)
- Choice of several covers: glass, perforated metal or vertical bars

Accessories

- Necessary small pieces for mounting and fixing
- Door opening and closing with PZ-type lock and door handle set.

Delivery Form

Per forwarder from works to the desired address

Quantities per delivery unit

Arranged individually by Optigreen according to individual planning

Area of use

On flat green roofs, gravelled roofs or roofs with paths with a pitch of up to 3°, in private or public areas with live loads of 0.5 - 1.0 kN/m in the following categories according to DIN EN 1991-1-1/NA:

- A, B1, T1, Z (outward/inward live loads of 0.5/0.5 kN/m)
- B2, B3, C1 bis C4, D, E1.1, E1.2, E2.1, T2 (outward/inward live loads of 0.5/1.0 kN/m)

Installation

Determine position of posts according to lay-out. Set up the lateral beams with articulate feet on protection fleece.

Fasten the load-bearing plates and mount the posts.

Mount the facings and hand rails. Fill up and level layers.

Eventually proceed with pavement.

Take into account the lay out plan and Optigreen instructions.

Storage

Dry and shatter-proof (glass). Aluminium must be protected from acids and lyes.

The above mentioned values are guidelines only, obtained in a laboratory environment. These values have a certain tolerance due to manufacture and correspond to Optigreen's technical knowledge at the time they were published. It is Optigreen's prerogative to amend and/or modify these values when additional knowledge is obtained, as well as to introduce modifications of the features. We assume no responsibility for printing errors.