

# Data Sheet



## G1 -Railing-

Railing system secured by a superimposed load as a side protection system  
With foot, knee and hand rails



### Technical details and properties:

#### **Material:**

Base plate: Aluminium  
Safety panel: Aluminium  
Posts: Aluminium  
Railing: Aluminium  
Safety fleece: 100% PP

#### **Weight:**

Railing approx. 9 kg/lm, fleece approx. 4 kg/m<sup>2</sup> when saturated

#### **Dimensions:**

Base plate: 1.44 m long, Ø = 130 x 35 mm  
Safety panel: 0.75 x 0.7 m, Thickness 2 mm  
Posts: 1.10/1.30 m long, Ø = 45 x 23 mm  
Railings: 3.0 m long, Ø = 35 mm  
Safety fleece: 2 m roll width, UV-stabilised  
Necessary horizontal space: 1.5 m

#### **Accessories:**

Additional crossbars (see photo above), gate openings, skirting

#### **Delivery form:**

On Euro-pallets or as general cargo

#### **Quantity per delivery unit:**

Customised as per order

#### **Area of use:**

To be used as a universal fall protection in maintenance, tending and upkeep of greened or gravelled flat roofs with a maximum slope of 5°, according to DIN EN 13374, Class A, in combination with a build-up released by the manufacturer. Additionally, and used together with a skirting board according to DIN 14094-2 it may be used as a railing for evacuation routes, stair heads or assembly points. There is no need to pierce the roof insulation.

#### **Installation**

Measure out the post positions. Place the base plate and safety panel on the safety fleece and align. Fit knee rail and hand rail. Place safety fleece over the safety panel. Apply and level layer build-up. Install paving etc. as applicable. Finally, fit the foot rail at 6 cm maximum above the surface.

**(See also the Optigreen instructions for installation and use)**

#### **Storage:**

Dry, fleece protected from sunlight, aluminium protected from acid and alkaline substances

*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.*