Trapezoidal-C-rail fixing

Product sheet

10 year guarantee on calculated complete systems

Description

This fixing method consists of only four components: a made-to-measure C-rail section (pre-drilled and stuck to EPDM tape), a central and end clip and two thin sheet metal bolts.

There is no need for pre-drilling thanks to the use of thin sheet metal bolts. Screwing displaces the material with the result that almost no drilling swarf is produced and no ensuring corrosion.

Obtain approval from the manufacturer for sandwich trapezoidal-profiled roofs. All framed PV modules with a height of 35 to 50 mm can be clamped in place in this way. The modules are installed horizontally.

This system is extremely versatile due to the use of module clips with variable clamping height and no need for long installation rails, thereby ensuring cost-effective, simple and fast logistics.

- Fast installation
- Easy to install due to its fewer components
- Cost-effective to stock
- Simple and fast logistics
- Suitable for trapezoidal-profiled roofs with a sheet metal thickness of 0.63 to 1.5 mm
The short C-rails, with EPDM tape adhered to them, are bolted directly to the high ribbing, thereby ensuring extremely fast installation. We recommend using edge clips that can be fixed to the underside of the modules for cabling.

**Trapezoidal-C-rail fixing set _1TCB28220164_**

1. C-rail, cut to length (length 164 mm), perforated (Ø 6.1 mm), with EPDM tape (30 × 3) glued on
2. 2 thin sheet metal bolts 6.0 × 25
3. For central and end clips or clip plates and clip brackets _see Product Catalogue_

The Trapezoidal-C-rail fixing can also be used on buildings with the following wind and snow loads:

**Wind load:** Zone 2, h < 18 m (inland)  
Zone 2, h < 10 m (coastal)  
Zone 3, h < 10 m (inland)

**Snow load:** Zone 2, up to h < 285 m.a.s.l. and North German Coastal Plain  
Zone 2, up to h < 420 m.a.s.l  
Zone 2a, up to h < 285 m.a.s.l.

Please contact our team with other wind and snow regions. The roof has to be capable of withstanding the additional loads resulting from the installation.