METIS mounting system

Product data sheet

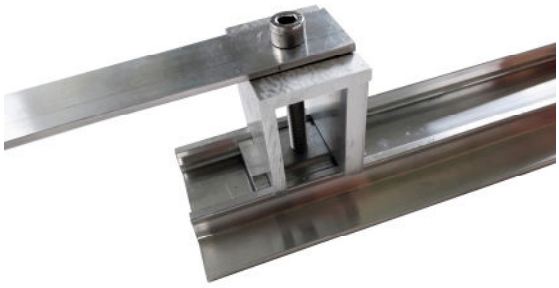
+ Ballasted system for pitched foil and bitumen roofs
+ No roof penetration needed
+ Project-specific wind suction calculation
+ Less ballast weight required due to special wind tunnel tests
+ Easy „click-system“ for comfortable and quick module fastening

System structure

The METIS mounting system is a pure ballasted system for sloping foil and bitumen roofs.
The assembly is done as a cross-bonding system. The METIS system is not only tested for stability in a WtG-approved boundary layer wind tunnel, but it is also aerodynamically optimised. A wide gap of 120 mm between the rows of vertikal mounted modules ensures a low-ballast system.

The modules are fastened with already pre-assembled CHRONOS middle clamp sets for quick clicking in.
The METIS system is ideally secured with a connection over the ridge to prevent slipping.

Middle clamp set with compensation profile



Slip protection over the ridge

Technical Data

	METIS System
Application	Sloping foil and bitumen roofs; with mechanical anti-slip protection
Roof attachment	Ballasted, without roof penetration
Static	Project-specific wind suction and displacement calculation according to a calculation tool created by the I.F.I. Institute in Aachen based on investigations in the boundary layer wind tunnel; load assumptions according to Eurocode 1 (DIN EN 1991-1)
System structure	2-layer cross-bond
Profiles	1st rail position: METIS profiles; 6,00 m; 80x16 mm 2nd rail postion: ZELOS profiles; 3,20 m; 5,30 m; 42x34 mm
Module orientation	Vertikal, roof parallel
System height w/o module	56,6 mm
Module fastening	Clicking in the pre-assembled CHRONOS middle clamp set (for all framed modules of 29-51 mm frame height); fastening to the long module side
Weight w/o modules	approx. 2,2 kg/m²
optional	Module grounding when modules are clamped
System materials	Aluminium EN AW 6063 T66, press-finished; Stainless steel A2-70; Building protection mat: rubber granulate with/without aluminium triplex foil

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