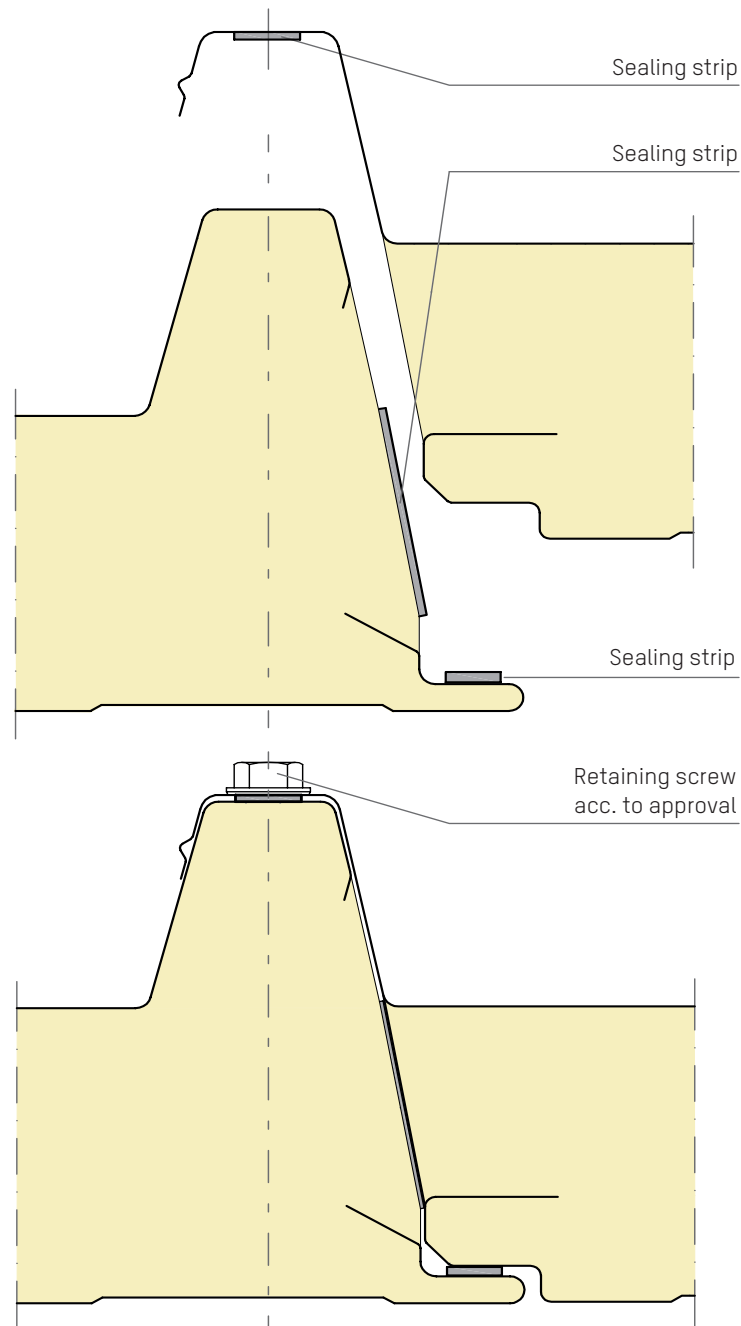


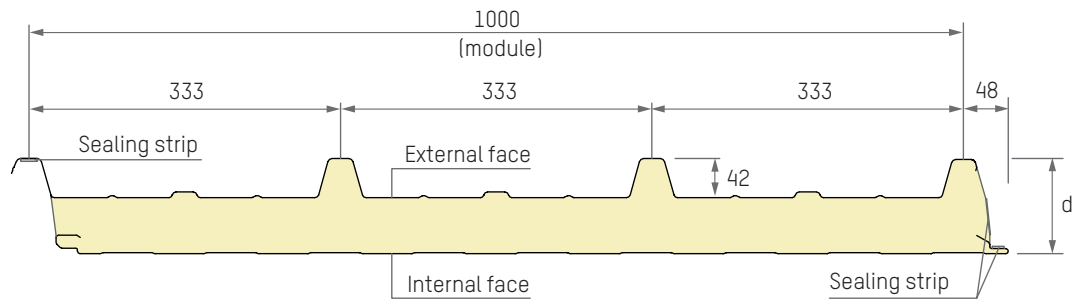
Quick-assembly PIR roof panel, type D

High quality thermal insulation system for safe and rapid roofing



- 3-point seal
- Large spans due to optimal profile design
- Quick and easy assembly
- Width of module 1000mm
- Insulation thicknesses (without beads) 40, 60, 80, 100, 120 mm
- Roof pitch min. 5% ($\pm 3^\circ$)

Quick-assembly PIR roof panel, type D with steel cladding on both sides



Cladding layers	Coil galvanized and coated sheet steel with organic coating materials, further cladding layers are available on request
Surface finishes	
Standard:	External face: trapezoidal profile (333mm), internal face: profiled (56mm)
Optional:	Internal face: smooth
Insulating core	Rigid polyurethane foam, impact resistant and attached to steel cladding across entire surface. Density, approx. 40kg/m ³ . Free of CFC and HCFCs (ODP=0).
Fire tests	<p>Ⓓ B1 according to DIN 4102, flame retardant, hard roofing, DIN 18234-1 (Type D142)</p> <p>ⒸⒽ Class 5.3 according to VKF Bern</p> <p>Ⓔ⒰ Euro-Class B-s2, d0 (DIBt approval), Euro-Class B-s1, d0, according to EN 13501-1 D142 REI 45, D122 REI 15, according to EN 13501-2</p> <p>ⒻⓂ FM Approval (4880, 4881, 4471)</p>
Environment and sustainability	EPD, DGNB, LEED v4, BREEAM, ROMA5 BMB
Approval	General building authority and building law approval for use in walls/roofs. Notification of approval Z-10.4-549 of the DIBt, Berlin and CE marking according to DIN EN 14509.
Available lengths	Up to 21.5 m, depending on panel thickness
Production tolerances	DIN EN 14509
Quality monitoring	IMA Dresden, FIW München, MFPA Leipzig
Sound insulation	Approx. 26dB for all panel thicknesses
Statics	See our span tables, DIN EN 1993-1-3, Construction class II (Rotational bedding, Shear strength)
Applications	Roof for roof pitch < 5% additional waterproofing measures are required, Wall, Ceiling

Panel type		D082	D102	D122	D142	D162
Panel thickness (incl. bead 42 mm)	mm	82	102	122	142	162
Cladding layer thickness						
External	mm	0.6	0.6	0.6	0.6	0.6
Internal	mm	0.5	0.5	0.5	0.5	0.5
Panel weight approx.	kg/m ²	11.9	12.7	13.5	14.3	15.1
U-value acc. to EN 14509 with joint¹⁾	W/(m ² ·K)	0.542	0.363	0.273	0.219	0.183

¹⁾ λ_{declared} = 0,022 [W/mK]