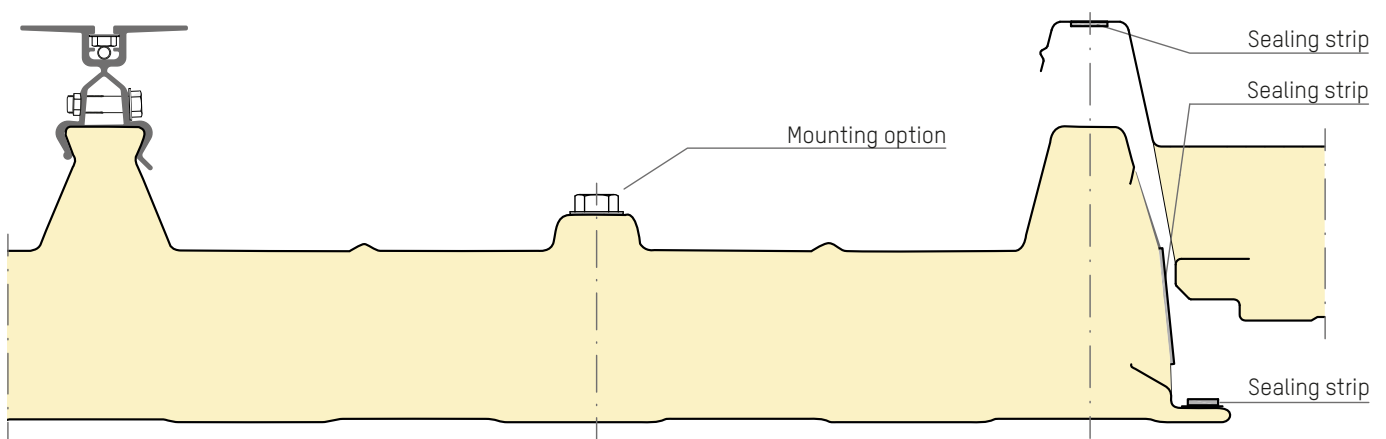


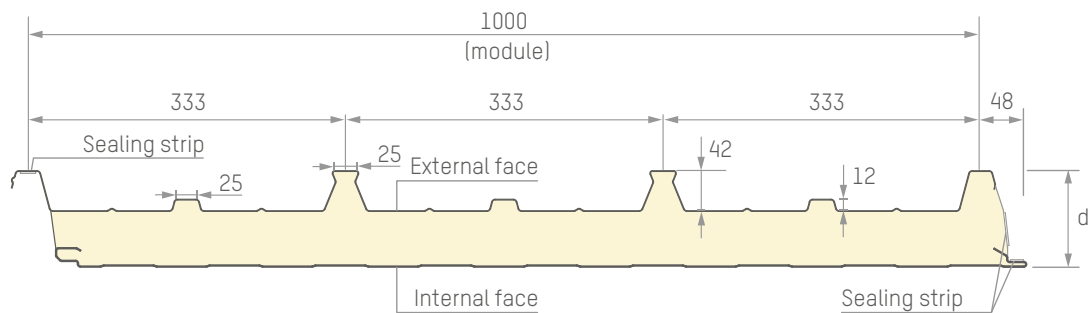
Quick-assembly PIR roof panel, type RD

High quality thermal insulation system for safe and fast roofing with easy installation of PV modules



- 3-point seal
- Large spans due to optimal profile design
- Quick and easy assembly
- Compatible with panel D, FD, FD eco
- Width of module 1,000 mm
- Insulation thicknesses (without beads) 40, 60, 80, 100, 120, 140, 170 mm
- Roof pitch min. 5% ($\pm 3^\circ$)
- Holders and clamps available at ROMA

Quick-assembly PIR roof panel 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/m³. Free of CFC and HCFCs (ODP=0).
Fire tests	<div>Ⓓ B1 according to DIN 4102, flame retardant; hard roofing; DIN 18234-1 (type RD142, RD162, RD182)</div> <div>Ⓔ Euro-Class B-s2, d0 according to EN 13501-1</div> <div>Ⓕ in progress</div>
Environment and sustainability	in progress
Approval	Z-10.4-873; load-bearing sandwich panels for roof and wall constructions
Available lengths	Panel lengths up to 25,000 mm Notching type R+L 60-300 mm possible from 3,200 mm panel length
Production tolerances	DIN EN 14509
Quality monitoring	IMA Dresden, FIW München, MFPA Leipzig
Sound insulation	Approx. 26dB for all panel thicknesses
Statics	ROMA Panel Master: http://panelmaster.romakowski.com 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		RD082	RD102	RD122	RD142	RD162	RD182	RD212
Panel thickness (incl. bead 42mm)	mm	82	102	122	142	162	182	212
Cladding layer thickness								
External	mm	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Internal	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Panel weight approx.	kg / m²	12.2	13.0	13.8	14.6	15.4	16.2	17.4
U-value acc. to EN 14509 with joint ¹⁾	W / (m²·K)	0.542	0.363	0.273	0.219	0.183	0.157	0.129

¹⁾ λ_{declared} = 0.022 [W/mK]