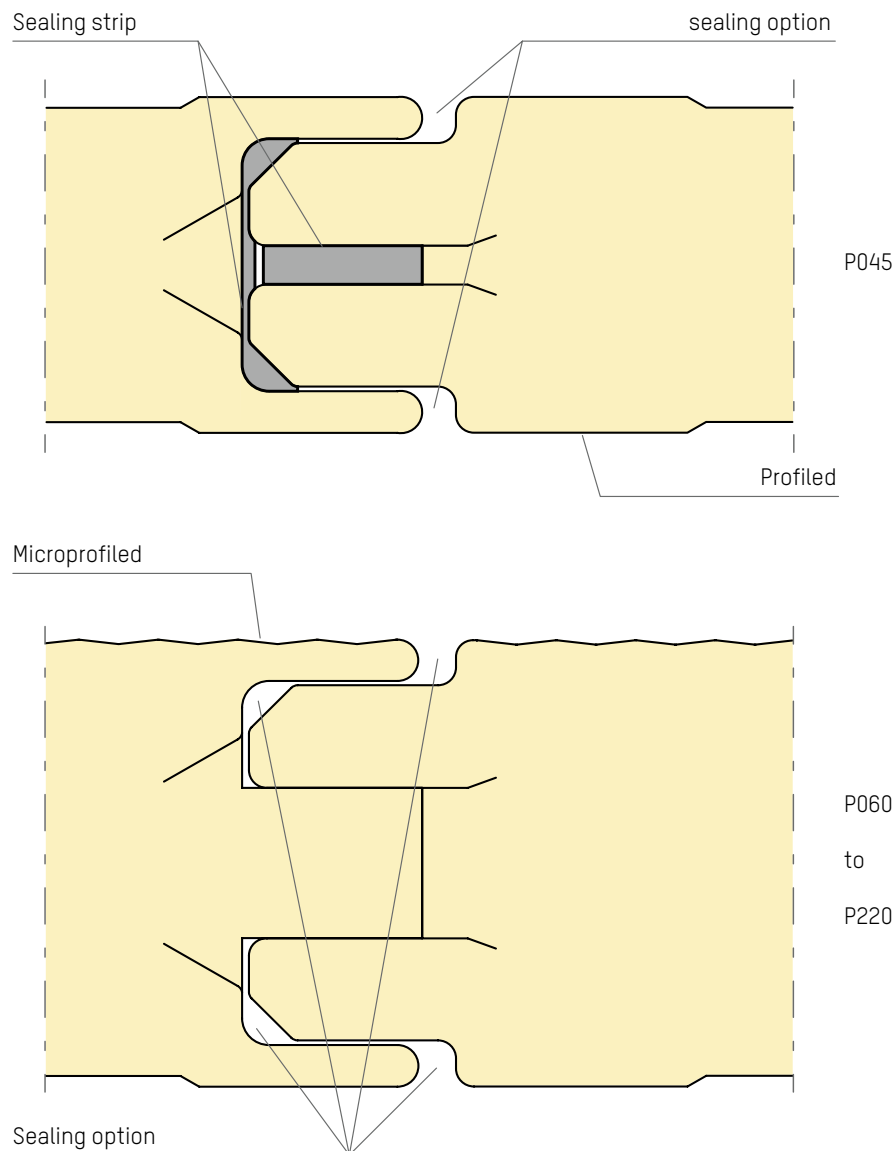


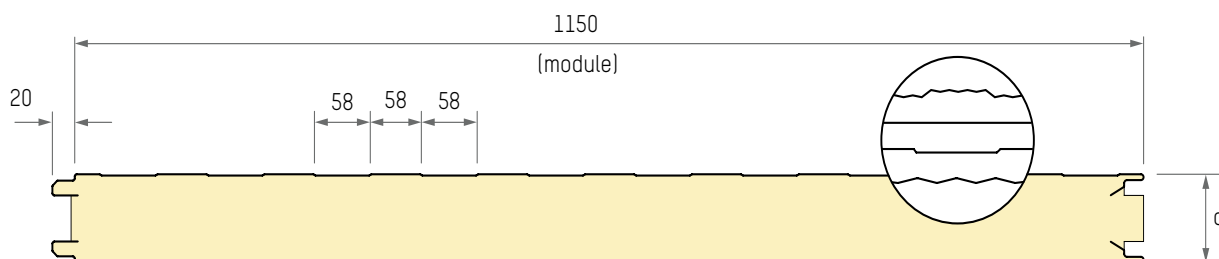
Quick-assembly PIR insulating panel, type P

Proven thermal insulation system
for industrial and cold-store construction



- 4 different surface profile variants
- 4 options for sealing the panel connection
- Suitable for facade, ceiling, cold-store and interior construction
- Quick and easy assembly
- Module width 1,150 mm
- Insulation thicknesses 45, 60, 80, 100, 120, 140, 170, 200, 220 mm

Quick-assembly PIR insulating panel, type P with external and internal steel cladding



Cladding layers	Coil galvanized and coated sheet steel with organic coating materials, further cladding layers are available on request
Surface finishes	
Standard:	External and internal face: profiled (58mm)
Optional:	One or both faces smooth; one face microprofiled (14mm) or w-profiled (58/14 mm)
Insulating core	Rigid polyurethane foam, impact resistant and attached to steel cladding across entire surface. Density approx. 40kg/m ³ . FCKW and HFCKW free (ODP=0).
Fire tests	<ul style="list-style-type: none"> Ⓓ B1 in accordance with DIN 4102, flame retardant ⒸH Class 5.3 in accordance with VKF Bern ⒺU Euro class B-s2, d0 according to EN 13501-1, P120 EI 30, P200 EI 60 ⒻFM FM Approval (4880, 4881, 4882, 4471)
Environment and sustainability	EPD, DGNB, LEED v4, BREEAM, ROMA5 BMB
Approval	General building authority and building law approval for use in walls/roofs/ceilings. Notification of approval Z-10.4-549 of the DIBt, Berlin and and CE marking in accordance with DIN EN 14509.
Available lengths	Up to 20m, depending on panel thickness
Production tolerances	EPAQ; DIN EN 14509
Quality monitoring	EPAQ Krefeld, 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	Wall, Ceiling, Roof (for roof pitch < 5% additional waterproofing measures are required)

Panel type		P045	P060	P080	P100	P120	P140	P170	P200	P220
Panel thickness	mm	45	60	80	100	120	140	170	200	220
Cladding layer thickness										
External	mm	0.6	0.6	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	0.5	0.5
Approx. panel weight	kg/m ²	11.1	11.7	12.5	13.3	14.1	14.9	16.1	17.3	18.1
U-value acc. to EN 14509 with joint¹⁾	W/(m ² ·K)	0.540	0.388	0.285	0.226	0.187	0.160	0.131	0.111	0.101

¹⁾ λ_{declared} = 0,022 [W/mK]