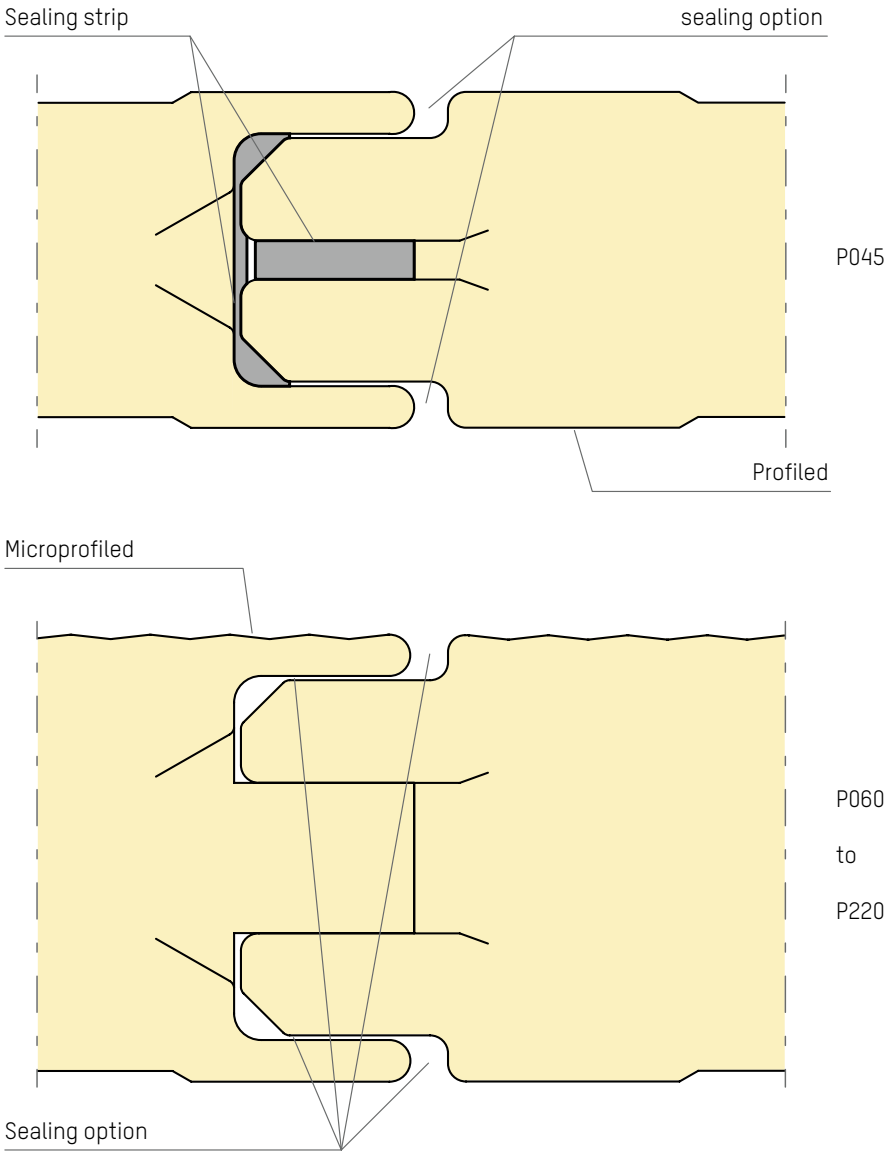
ROMA
INSULATION SYSTEMS

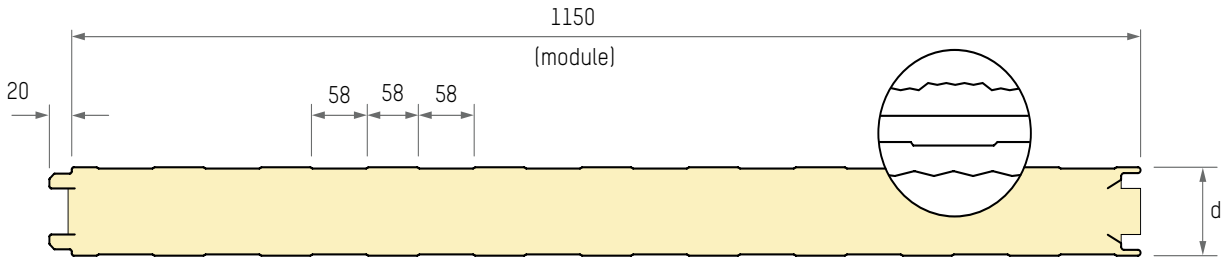
Quick-assembly PIR insulating panel, type P

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 (58 mm)
Optional: One or both faces smooth; one face microprofiled (14 mm) or w-profiled (58/14 mm)

Insulating core
Rigid polyurethane foam, impact resistant and attached to steel cladding across entire surface. Density approx. 40kg/m³. FCKW and HFCKW free (ODP=0).

Fire tests
(D) B1 in accordance with DIN 4102, flame retardant
(CH) Class 5.3 in accordance with VKF Bern
(EU) Euro-Class B-s2, d0 (DIBt approval), Euro-Class B-s1, d0, according to EN 13501-1
P120 EI 30, P200 EI 60, according to EN 13501-2
<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 CE marking in accordance with DIN EN 14509.

Available lengths
Up to 20 m, depending on panel thickness

Production tolerances
DIN EN 14509

Quality monitoring
IMA Dresden, FIW München, MFPA Leipzig

Sound insulation
Approx. 26 dB 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/m²	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 joint[1)]	W/(m²·K)	0.540	0.388	0.285	0.226	0.187	0.160	0.131	0.111	0.101

[1)] $\lambda_{declared}$ = 0,022 [W/mK]

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