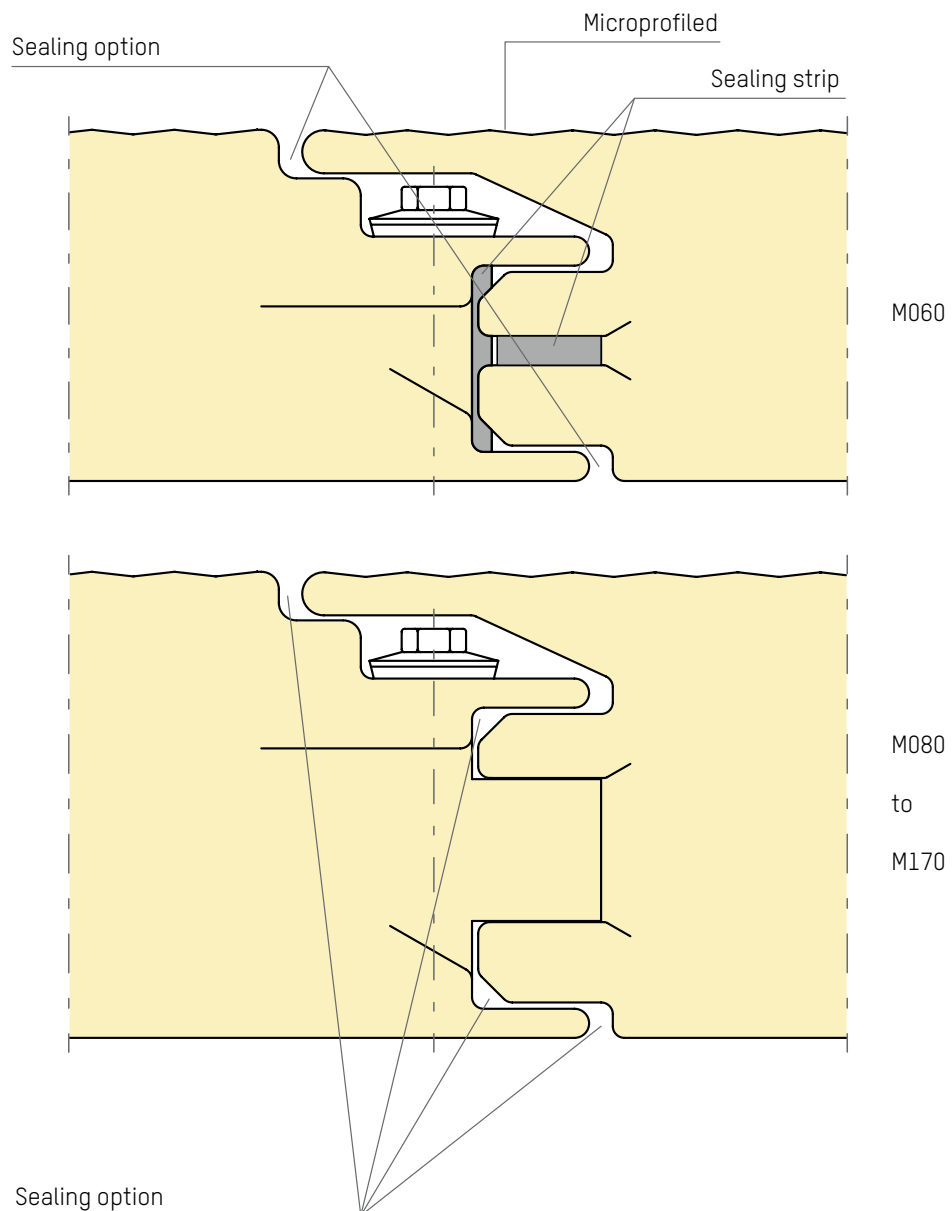
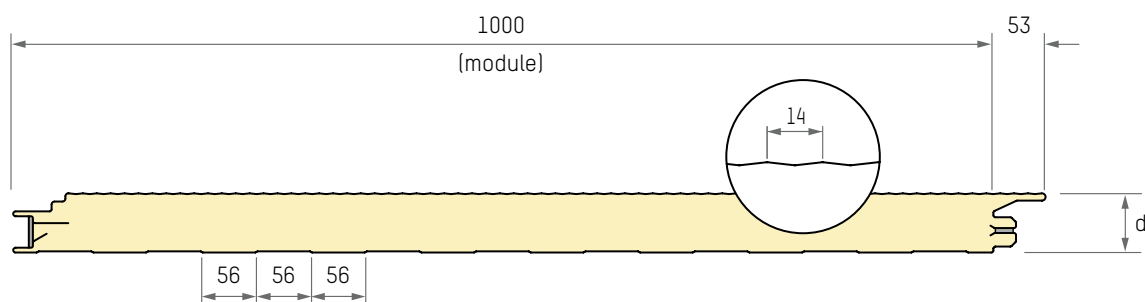


Quick-assembly PIR insulating panel, type M for high-quality, exclusive panel construction



- Exclusive facade with hidden joints
- Microprofiled, smooth, profiled or w-profiled external surface
- Width of module 1,000 mm
- Insulation thicknesses 60, 80, 100, 120, 140, 170 mm

Quick-assembly PIR insulating panel, type M 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 face: microprofiled (14mm), internal face: profiled (56mm)
Optional:	External face: profiled (56mm), smooth or w-profiled (56/14 mm); internal face: smooth
Insulating core	Rigid polyurethane foam, impact resistant and attached to the steel cladding across the entire surface. Density, approx. 40kg/m ³ . FCKW and HFCKW free (ODP=0).
Fire tests	<ul style="list-style-type: none"> Ⓓ B1 according to DIN 4102, flame retardant ⒸH Class 5.3 according to VKF Bern ⒺU Euro class B-s2, d0 according to EN 13501-1 Ⓕ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		M060	M080	M100	M120	M140	M170
Panel thickness	mm	60	80	100	120	140	170
Cladding layer thickness							
External	mm	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
Approx. panel weight	kg/m ²	12.7	13.5	14.3	15.1	15.9	17.1
U-value acc. to EN 14509 with joint¹⁾	W/(m ² ·K)	0.448	0.300	0.234	0.192	0.163	0.133

¹⁾ λ_{declared} = 0,022 [W/mK]