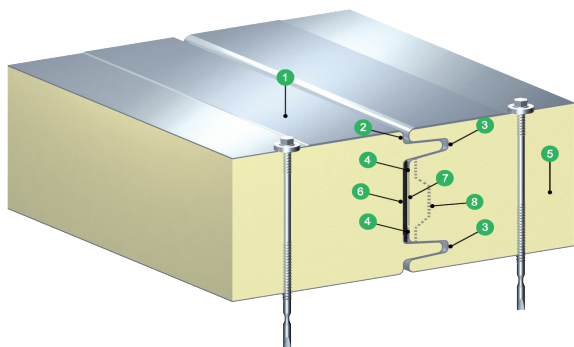


IzoWall PIR/PIR+

Sandwich panel with polyisocyanurate or polyurethane core - visible fastening.



- 1 Profiled lining with a unique surface design.
- 2 Large bend radii guarantee durability of lining protective coatings.
- 3 Double panel lock guarantees best fire resistance properties.
- 4 Profiled edges facilitate assembly and ensure proper thermal insulating power.
- 5 Core made of stiff, freon-free, self-extinguishing PIR/PIR+ foam with very good thermal insulation properties.
- 6 Seamless polyurethane seal keeps proper thermal insulating power and tightness of joint - applied in manufacture.
- 7 Protecting strip prevents diffusion, water and gas infiltration and steam penetration into the insulating core.
- 8 Labyrinth joints incorporated in 120 to 200 mm-thick boards.

Suitable for building external and internal walls of industrial buildings: production halls, storage buildings, commercial halls, shopping centres, farm facilities. Vertical or horizontal installation.

PIR/PIR+ core - stiff polyisocyanurate foam, thermal conductivity rating $\lambda = 0,022 \text{ W/m} \cdot \text{K}$, improved burning behaviour.

Steel sheet lining with anticorrosive protection depending on the intended use.

Mechanical properties									
thickness	40	60	80	100	120	140	160	180	200
modular width [mm]	1150 or 1080* or 1000*								
total width [mm]	modular width +18 mm								
length [mm]	2000 - 16000**								
weight 0,5/0,4 [kg/m ²]	9,0	9,8	10,6	11,4	12,2	13,0	13,8	14,6	15,4
weight 0,5/0,5 [kg/m ²]	9,8	10,6	11,4	12,2	13,0	13,8	14,6	15,4	16,2
Insulating power									
U PIR/PIR+ [W/m ² K]	0,57	0,37	0,27	0,22	0,18	0,16	0,14	0,12	0,11
Burning behaviour									
PIR+ fire resistance	-	EI15***	EI15	EI 30	EI 30	EI 30	EI 30	EI 30	EI 30
PIR fire resistance	-	-	EI15	Ei 15	EI 15	Ei 15	EI 15	EI 15	EI 15
PIR+ reaction to fire	-	B-s2, d0			B-s1, d0				
PIR reaction to fire	B-s2, d0								
fire propagation	NRO								
Acoustic properties									
acoustic resistance coefficient:									
R _w [dB]	25								
R _{A1} [dB]	23								
R _{A2} [dB]	20								
acoustic absorption coefficient α_w	0,15								
Leakproofness									
Air permeability: pressure	n = 0,8388, C = 0,0116								
Air permeability: suction	n = 1,1072, C = 0,0074								
Blowing rain resistance	A class - absolute leakproofness at 1200 Pa								

* Modular width available on an individual order.

** maximum length depending on the panel colour – see the "Tips for colour selection" section

*** classification valid if using a heat resistant sealing

Panels are manufactured in accordance with PN-EN 14509:2013 and have the  mark.