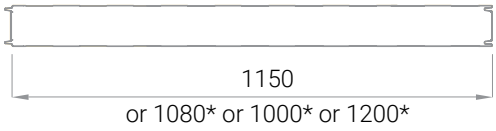
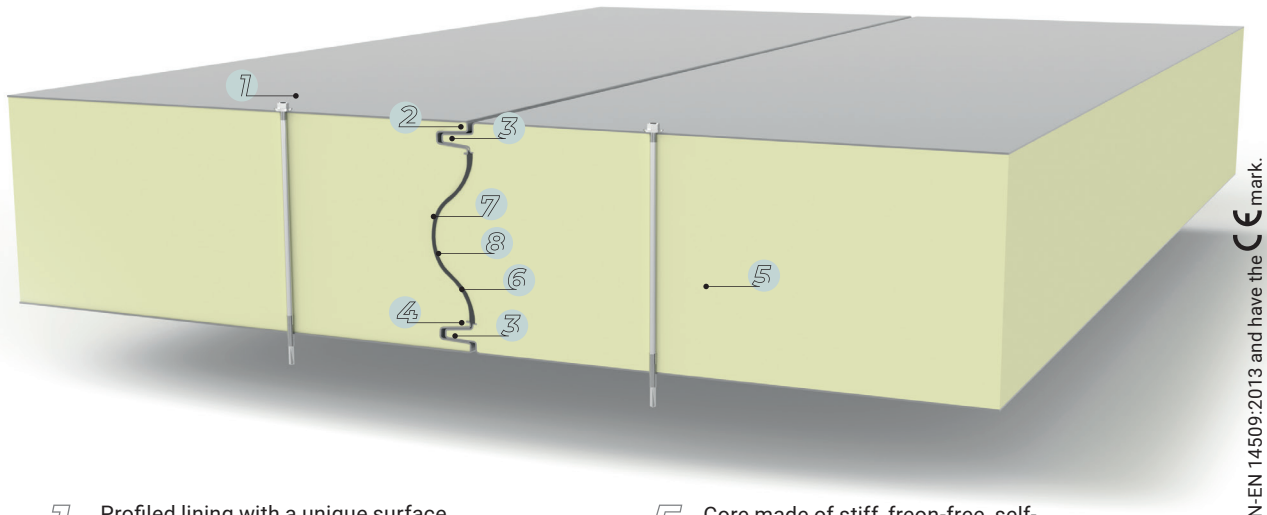
IzoWall PIR-N/PIR-F

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.

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

PIR/PIR+ core - stiff polyisocyanurate foam, thermal conductivity rating PIR: λ = 0,022 W/m*K, PIR+: λ = 0,021 W/m*K, improved burning behaviour.

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

- production halls
- storage buildings
- commercial halls
- shopping centres
- farm facilities

Suitable for building external and internal walls of industrial buildings.

Vertical or horizontal installation.

IZO. PANEL

Mechanical properties

thickness [mm]	40	60	80	100	110	120	140	160	180	200
modular width [mm]	1150 or 1080* or 1000* or 1200*									
total width [mm]	modular width +18 mm									
length [mm]	2000 - 16000**									
weight 0,5/0,4 [kg/m²]	9,0	9,8	10,6	11,4	11,8	12,2	13,0	13,8	14,6	15,4
weight 0,5/0,5 [kg/m²]	9,8	10,6	11,4	12,2	12,6	13,0	13,8	14,6	15,4	16,2

Insulating power

U PIR-F [W/m²K]	0,55	0,35	0,26	0,21	0,19	0,18	0,15	0,13	0,12	0,11
U PIR-N [W/m²K]	0,57	0,37	0,27	0,22	0,20	0,18	0,16	0,14	0,12	0,11

Burning behaviour

PIR-F fire resistance	–	–	EI15	EI 30	EI 30	EI 30	EI 30	EI 30	EI 30	EI 30
PIR-N fire resistance	–	–	EI15	EI 15	EI 15	EI 15	EI 15	EI 15	EI 15	EI 15
PIR-F reaction to fire	B-s2, d0			B-s1, d0						
PIR-N 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
Corrosion resistance	External claddings: RC3, internal claddings: RC2 ***

* modular width available on an individual order.
** maximum length depending on the panel colour – see the "Tips for colour selection" section
***The RC2 corrosion resistance class refers to standard corrosion protection used only on internal cladding. Higher corrosion resistance category on special order.