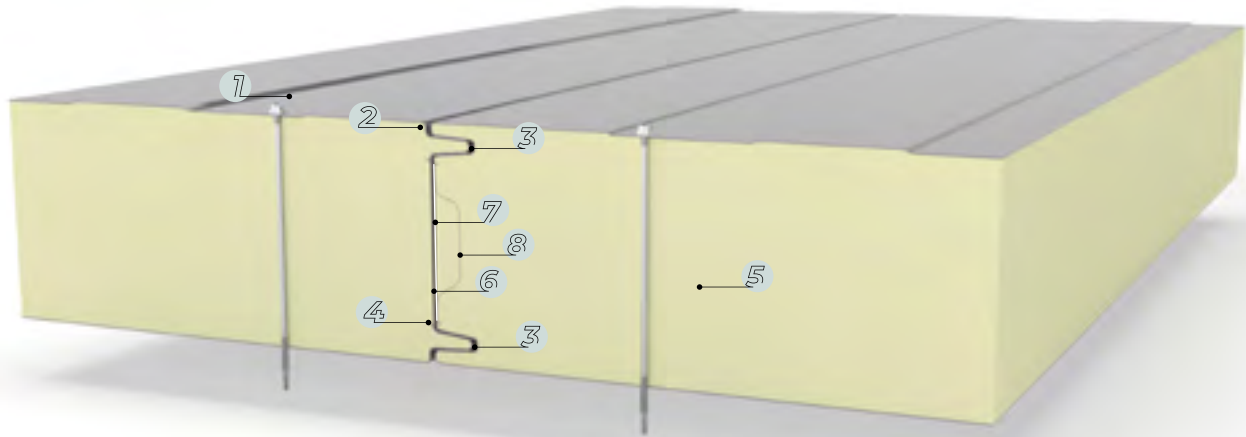
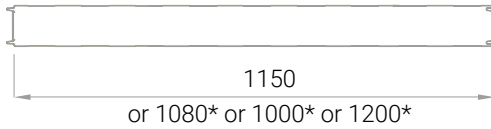


IzoWall **PIR-N/PIR-F**

Sandwich panel with polyisocyanurate or polyurethane core - visible fastening.



1 Profiled lining with a unique surface design.

5 Core made of stiff, freon-free, self-extinguishing PIR/PIR+ foam with very good thermal insulation properties.

2 Large bend radii guarantee durability of lining protective coatings.

6 Seamless polyurethane seal keeps proper thermal insulating power and tightness of joint - applied in manufacture.

3 Double panel lock guarantees best fire resistance properties.

7 Protecting strip prevents diffusion, water and gas infiltration and steam penetration into the insulating core.

4 Profiled edges facilitate assembly and ensure proper thermal insulating power.

8 Labyrinth joints incorporated in 120 to 200 mm-thick boards.

PIR/PIR+ core - stiff polyisocyanurate foam, thermal conductivity rating PIR: $\lambda = 0,022 \text{ W/m}^*\text{K}$, PIR+: $\lambda = 0,021 \text{ W/m}^*\text{K}$, 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.

Mechanical properties

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

Insulating power

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

Burning behaviour

<i>PIR-F fire resistance</i>	-	EI15***	EI15	EI 30	EI 30	EI 30	EI 30	EI 30	EI 30
<i>PIR-N fire resistance</i>	-	-	EI15	EI 15	EI 15	EI 15	EI 15	EI 15	EI 15
<i>PIR-F reaction to fire</i>	B-s2, d0			B-s1, d0					
<i>PIR-N reaction to fire</i>	B-s2, d0								
<i>fire propagation</i>	NRO								

Acoustic properties

<i>acoustic resistance coefficient:</i>	
<i>R_w [dB]</i>	25
<i>R_{A1} [dB]</i>	23
<i>R_{A2} [dB]</i>	20
<i>acoustic absorption coefficient a_w</i>	0,15

Leakproofness

<i>Air permeability: pressure</i>	n = 0,8388, C = 0,0116
<i>Air permeability: suction</i>	n = 1,1072, C = 0,0074
<i>Blowing rain resistance</i>	A class - absolute leakproofness at 1200 Pa
<i>Corrosion resistance</i>	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

*** classification valid if using a heat resistant sealing

**** The RC2 corrosion resistance class refers to standard corrosion protection used only on internal cladding. Higher corrosion resistance category on special order.