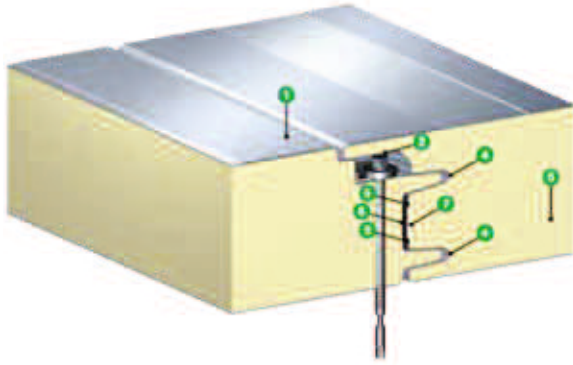


# IzoGold PIR

Wall panel with polyisocyanurate core - hidden screw fasteners.



- 1 Profiled lining with a unique surface design.
- 2 Hidden fastener gives the facade a uniform appearance.
- 3 Large bend radii guarantee durability of lining protective layers.
- 4 Double panel lock guarantees best fire resistance properties.
- 5 Profiled edges facilitate assembly and guarantee proper thermal insulating power.
- 6 Seamless polyurethane seal keeps proper thermal insulating power and tightness of connection - applied during production.
- 7 Protecting strip prevents diffusion, water and gas infiltration and steam penetration into the insulating core.
- 8 Core made of stiff, freon-free, self-extinguishing PIR foam with very good thermal insulation properties.

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

**PIR core** - stiff polyisocyanurate foam, thermal conductivity rating  $\Lambda = 0,021 \text{ W/m}^2\text{K}$ , improved burning behaviour and higher density  $\rho = 40 \pm 3 \text{ kg/m}^3$

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

## Mechanical properties

thickness	60	80	100	120
modular width [mm]	1080			
total width [mm]	modular width +18 mm			
length [mm]	2000-16000*			
mass 0,4/0,5 [kg/m <sup>2</sup> ]	10,0	10,8	11,6	12,4
mass 0,5/0,5 [kg/m <sup>2</sup> ]	10,9	11,7	12,5	13,3

## Insulating power

U [W/m <sup>2</sup> K]	0,34	0,26	0,21	0,17
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## Burning behaviour

fire resistance	-	EI15	EI15
reaction to fire	B-s2, d0		
fire propagation	NRO		


## Acoustic properties

<b>acoustic resistance coefficient:</b>	
R <sub>w</sub> [dB]	26
R <sub>A1</sub> [dB]	23
R <sub>A2</sub> [dB]	21
<b>acoustic absorption coefficient <math>\alpha_w</math></b>	0,15

## Leakproofness

<b>air permeability</b>	Perfect leakproofness at pressure difference -50/+50 Pa
<b>blowing rain resistance</b>	A class - perfect leakproofness at 1200 Pa

\* non-standard lengths to be agreed with the production department

Panels are manufactured in accordance with PN-EN 14509:2010 and have the  mark.