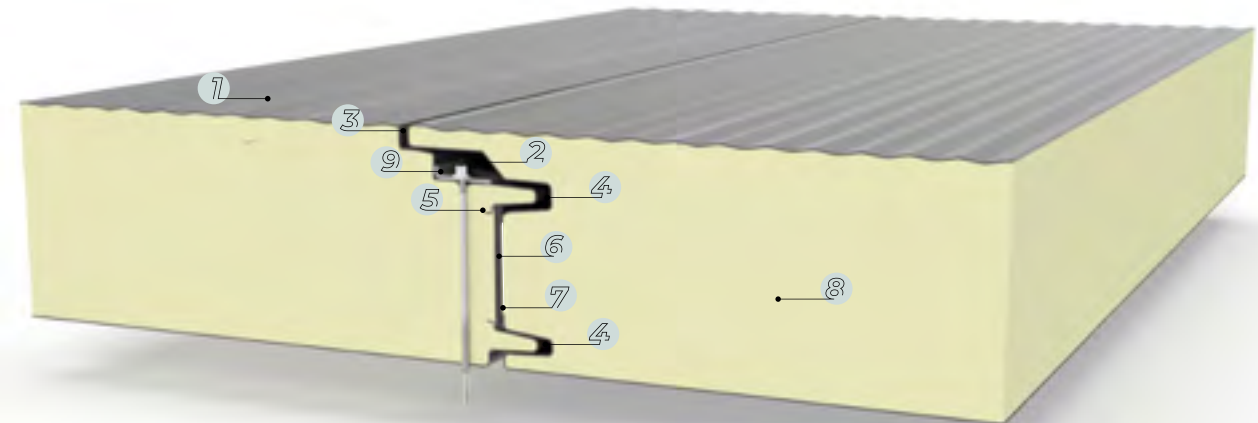
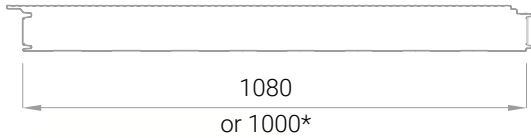


# IzoGold **PIR-N/PIR-F**

Wall panel with polyisocyanurate or polyurethane core - hidden screw fasteners.



1 Profiled lining with a unique surface design.

5 Profiled edges facilitate assembly and ensure proper thermal insulating power

2 Hidden fastener gives the facade a uniform appearance

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

3 Large bend radii guarantee durability of lining protective coatings.

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

4 Double panel lock guarantees best fire resistance properties.

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

9 L-02 fastener ensuring load distribution.

**PIR-F/PIR-N core - stiff polyisocyanurate foam, thermal conductivity rating**

**PIR-F:  $\lambda = 0,022 \text{ W/m}^2\text{K}$ , PIR-N:  $\lambda = 0,021 \text{ W/m}^2\text{K}$ , improved pburning 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>                    | 60                    | 80   | 100  | 120  |
| <i>modular width [mm]</i>                | 1080 or 1000*         |      |      |      |
| <i>total width [mm]</i>                  | modular width + 45 mm |      |      |      |
| <i>length [mm]</i>                       | 2000 - 16000**        |      |      |      |
| <i>weight 0,5/0,4 [kg/m<sup>2</sup>]</i> | 10,0                  | 10,8 | 11,6 | 12,4 |
| <i>weight 0,5/0,5 [kg/m<sup>2</sup>]</i> | 10,9                  | 11,7 | 12,5 | 13,3 |

## Insulating power

|                                   |      |      |      |      |
|-----------------------------------|------|------|------|------|
| <i>U PIR-F [W/m<sup>2</sup>K]</i> | 0,40 | 0,28 | 0,22 | 0,18 |
| <i>U PIR-N [W/m<sup>2</sup>K]</i> | 0,42 | 0,29 | 0,22 | 0,19 |

## Burning behaviour

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

## Acoustic properties

|  |      |
|--|------|
| <i>acoustic resistance coefficient:</i>              |      |
| <i>R<sub>w</sub> [dB]</i>                            | 26   |
| <i>R<sub>A1</sub> [dB]</i>                           | 23   |
| <i>R<sub>A2</sub> [dB]</i>                           | 21   |
| <i>acoustic absorption coefficient a<sub>w</sub></i> | 0,15 |

## Leakproofness

|                                   |  |
|-----------------------------------|--|
| <i>Air permeability: pressure</i> | n = 0,7578, C = 0,0335                               |
| <i>Air permeability: suction</i>  | n = 0,7778, C = 0,0115                               |
| <i>Blowing rain resistance</i>    | A class - absolute leakproofness at 1,200 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

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