Gór-Stal offers a wide range of innovative walls, roofs and coldstore Sandwich Panels with the core made of polyisocyanurate foam (PIR) with density **40** kg/m³ (+/-**10%**) and thermal conduction coefficient λ =**0,022** W/m $^{\pm}$ K. (As of 2020 new panels will be available MAX with a core and a coefficient of λ =**0,019** W/m $^{\pm}$ K).

These panels consist of two linings made of steel sheets galvanized on both sides, with organic polyester lacquer coating of $25\,\mu m$ and structural insulation core made of rigid, Freon-free, self-extinguishing PIR foam, with great thermal insulation and fire resistance.

PIR foams are characterized by improved resistance against high temperatures. Isocyanurate structures are decomposed at temperatures above 300°C. The carbonized layer protects against penetration of high temperatures through the panel which results in a more efficient fire protection barrier.

Diversified colors and profiles result in various possibilities for architects.

ACCESSORIES

- Gaskets for Sandwich Panels collars, sleeves and washers. We provide self-adhesive, polyurethane (PUS and PURS), polyethylene (PES) and butyl, sealing tapes.
- Self-drilling screws for hot-rolled constructions and coldformed, galvanized in the color of the outer panel claddings together with accessories to facilitate assembly.
- Skylights and Refrigerating Accessories of renowned suppliers.





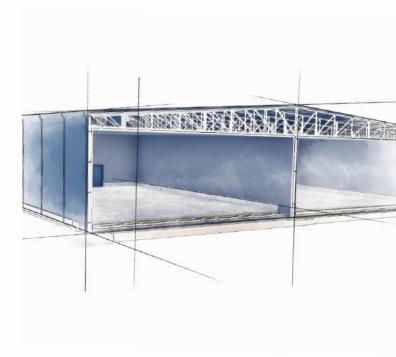




No. 11 Przemysłowa st., 38-300 Gorlice, Poland tel./fax: +48 18 353 98 00 e-mail: gorlice@gor-stal.pl, www.gor-stal.pl

Factory of termPIR® Insulation Boards

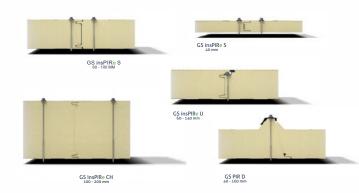
No. 9 Adolfa Mitery st., 32-700 Bochnia, Poland tel./fax: +48 14 698 20 60 e-mail: bochnia@gor-stal.pl, www.termpir.eu



SANDWICH PANELS
GS insPIRe
GS insPIRe MAX

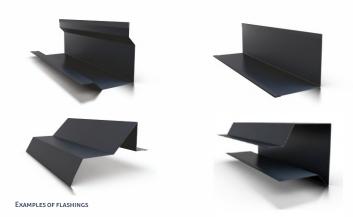
LOCK - PANEL CONSTRUCTION AND PANEL CONNECTION

Precisely shaped panel connections and suitably profiled edges enhance heat insulation and eliminate a linear thermal bridge. Thanks to this, the panels meet high requirements for fire integrity, rainwater tightness, air and water vapour infiltration. A tongue-and-groove joint with a double camlock in both outside and inside parts of wall panels and overlaying design used in roof panels, facilitate and shorten installation works. A double camlock in both external and internal parts improves fire integrity.



STEEL FLASHING

Steel flashing manufactured by Gór-Stal are part of the insulation panel system - Sandwich Panels. Additionally, they are used as a separate decorative element. Steel flashing is made of galvanized metal sheet with a thickness of 0.5 mm, 0.7 mm and 1.0 mm, colors according to the RAL palette. Standard length of metal flashing sheet is 6.0 m.



WALL PANEL GS insPIRe S Type of core Rigid polyisocyanurate foam (PIR) Density [kg/m3] 40 (+/-10%) Thickness [mm] 40 60 80 100 120 Weight [kg/m²]* 10.0 11.0 11.8 12.6 13.4 5 Maximum length [m] 16.5 1000 / 1140 Total width [mm] (for thick. ≥ 60 mm and lining profiling L, M and F) L - Linear, M -Mikro-profiling, F - Wavy, External lining profiling R - Grooving, G - Smooth 8 L - Linear, G - Smooth Internal lining profiling Standard colours of external lining** 10 Standard colours of internal lining** RAL 9002 RAL 9010 0.19 0.60 0.38 0.28 0.22

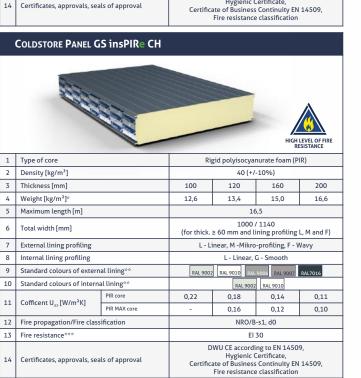
0,16

EI 30

NRO/B-s1, d0

DWU CE according to EN 14509,

Hygienic Certificate,





⁽details from the Sales Representative)

conditions according to fire resistance classification

11

13

Cofficent U_{ds} [W/m²K]

Fire resistance***

Fire propagation/Fire classification

PIR MAX core

