

**TECHNICAL SPECIFICATION**  
**ECOPANEL® FL-PIR (F100)**  
 (wall & cold room panel)

**DESCRIPTION**

ECOPANEL® FL is a composite thermo-insulating sandwich panel, manufactured by two metal sheets. Special edges shaped and insulation core of rigid polyurethane foam (PIR), produced according to the European Standard EN14509:2013 and CE mark.

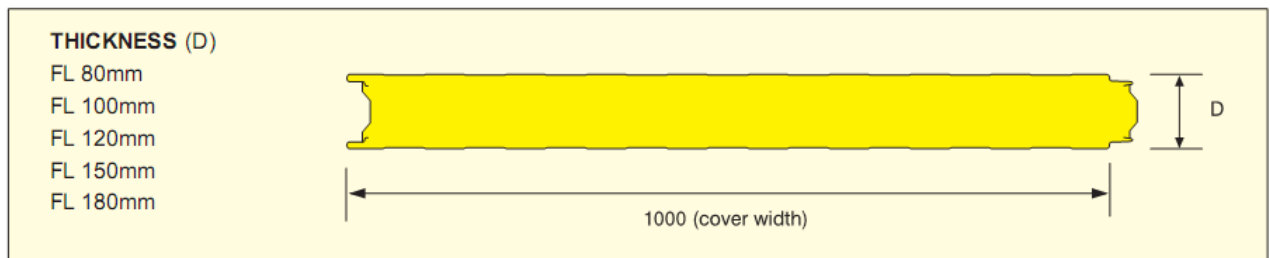
Used for façade walls as well for cold room walls and ceiling.

Steel sheet surface on both sides slightly shaped “standard” type or smooth lining.

Special shaped internal joints insure maximum thermal insulation and thermal loss avoidance.

Nominal thickness: 100mm - Cover width: 1.000mm

**SHAPE – DIMENSIONS**



**TECHNICAL CHARACTERISTICS**

Foam core PIR - density (Kgr./m <sup>3</sup> )	40 ± 2 (EN 1602)
Thermal conductivity factor: λ <sub>10</sub> (W/mK)	0,0215 (ISO 8302 / EN 12667)
Heat Transmission coefficient: U (W/m <sup>2</sup> K)	0.21
Closed cells (%)	> 92 % (ISO 4590)
Blowing foam core agent	Pentane (CFC free & HCFC free)
Element fire reaction	B-s2, d0 (EN 13501-1)
Steel sheet grade	DX51D / S220GD~S320GD (EN 10346)
Steel sheet thickness (mm)	0.50 mm (EN 10143)
Corrosion protection	Z 100 (EN 10346)
Finishing coating type and thickness	Food-Safe : 110 µm
Certification / Tolerances	CE / EN 14509:2013