

PIR Panel

PIR - insulation

Unisol PIR Panels have been specifically developed for those rare situations in which EPS panels cannot be used. In terms of dimensions and appearance, Unisol PIR panels are identical to EPS and rock wool panels and can easily be combined with both.

Application:

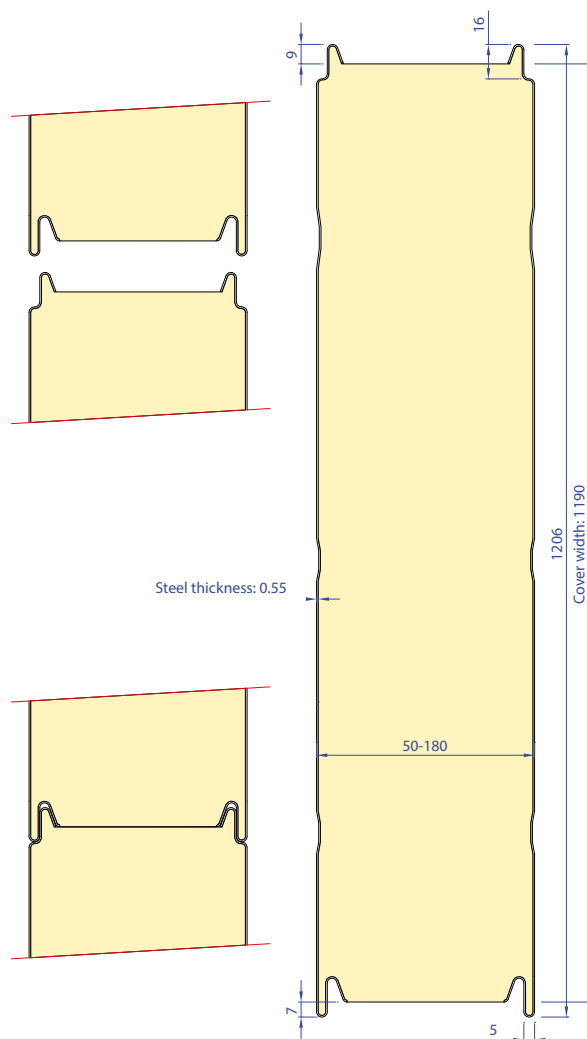
- Internal & external

Technical details:

- Cover width: 1190 mm
- Steel plate thickness: 0.55 (standard polyester)
- Steel quality: S280GD+Z275
- Thickness: 50 to 180 mm (non-standard thicknesses on request)
- Length: 900 – 15,000 mm
- Insulation: Polyisocyanurate 35 kg p/m³
- Colour: Your choice
- Profiling: Your choice

Description of steel plate:

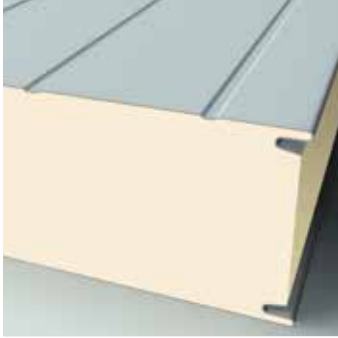
- Paint: Polyester paint 25 µm steel thickness 0.55 mm gloss level 30%
- Plastisol: HPS Plastisol 200 µm steel thickness 0.60 mm
- Foodsafe: Foodsafe Coating 9010 55 µm steel thickness 0.55 mm (PET)
- Colorfam: Colorfarm Coating 9002 55 µm steel thickness 0.60 mm for aggressive environments



Thickness mm	Weight kg/m ²	R-value m ² K/W	Fire-retardant minutes	Noise dampening dB(A)	Span metres*
50	10.85	2.580			2.00
60	11.20	3.076			3.00
80	11.90	4.083			3.00
100	12.60	5.075			4.00
120	13.30	6.062			4.00
150	14.35	7.820			5.00
180	15.40	9.324			6.00

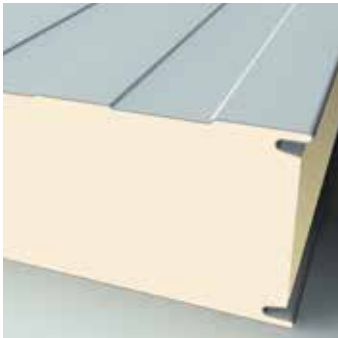
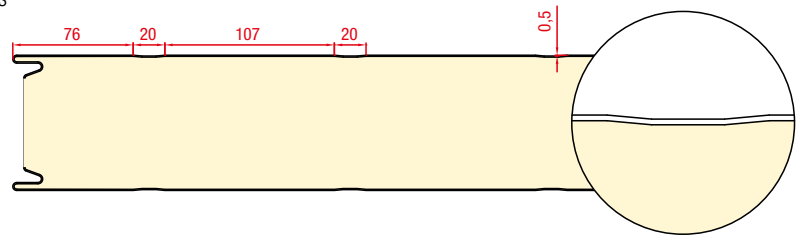
*Experience-based figure for maximum span

Optical profiles



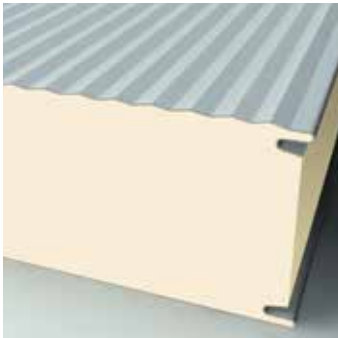
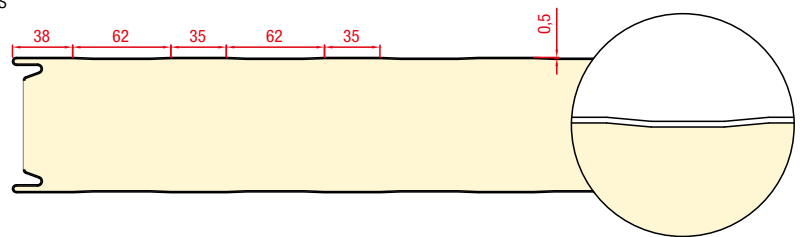
Standard profile

Application: 2 sides



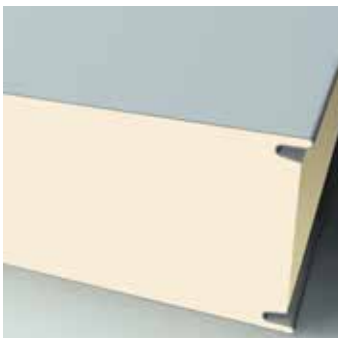
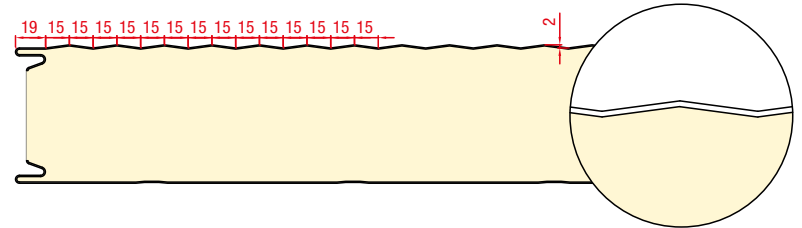
Box profile

Application: 2 sides



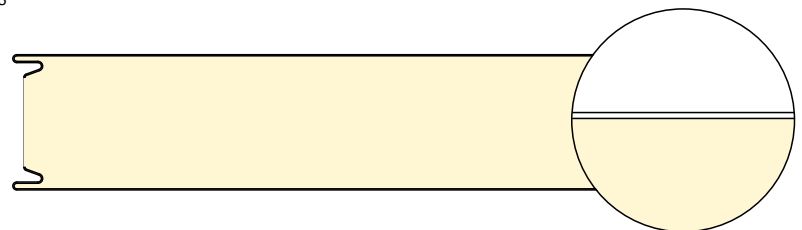
Micro lining

Application: 1 side

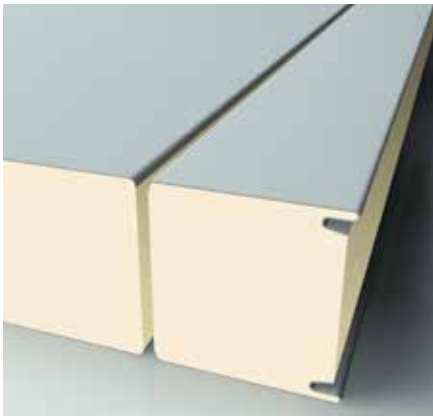


Plain

Application: 2 sides

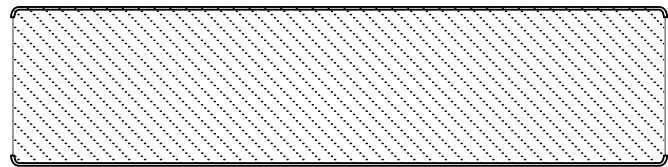
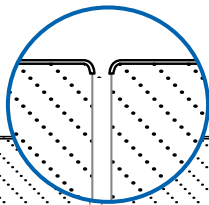


Sawing options

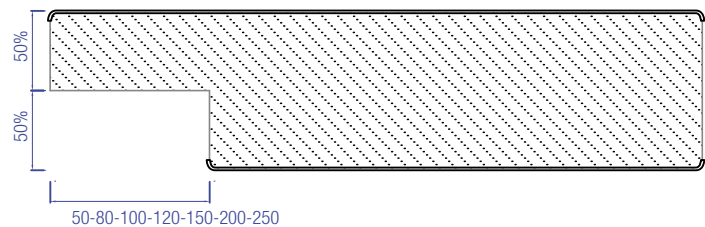


Sawing options: lengthwise on the panel

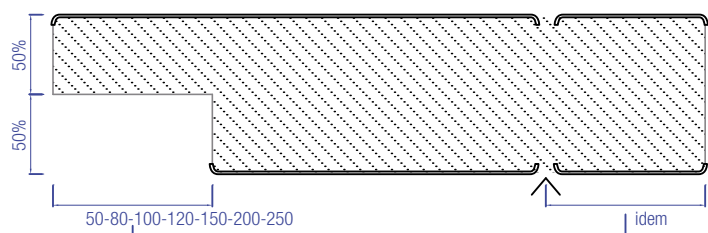
- Folded-in edging
- Extremely neat and dimensionally accurate
- No sharp edges
- No rust forming
- No splinters



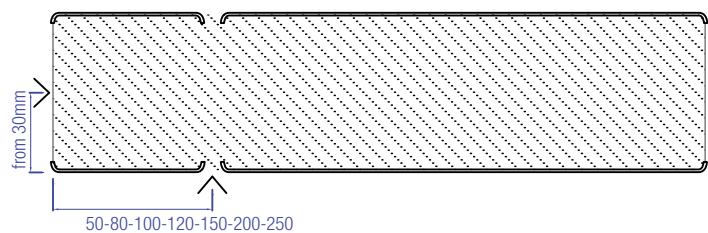
Type 0
No cuts



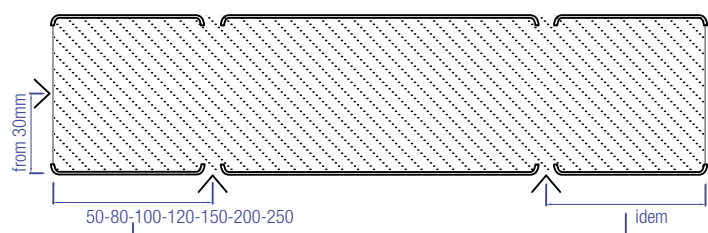
Type 1
Wall with notch
(both sides the same colour, no micro profiling)



Type 2
Wall with notch and additional saw cut (both sides the same colour, no micro profiling)



Type 3
Wall with saw cut



Type 4
Wall with 2 saw cuts