

EPS Panel

EPS - Insulation

The EPS (Expanded Polystyrene) insulated sandwich panels by Unisol are used in a wide range of applications. The major advantages of the EPS sandwich panel are the constant insulation value, its construction properties (strength) and, last but not least, the large span that can be achieved with them. A durable product, recyclable with excellent properties.

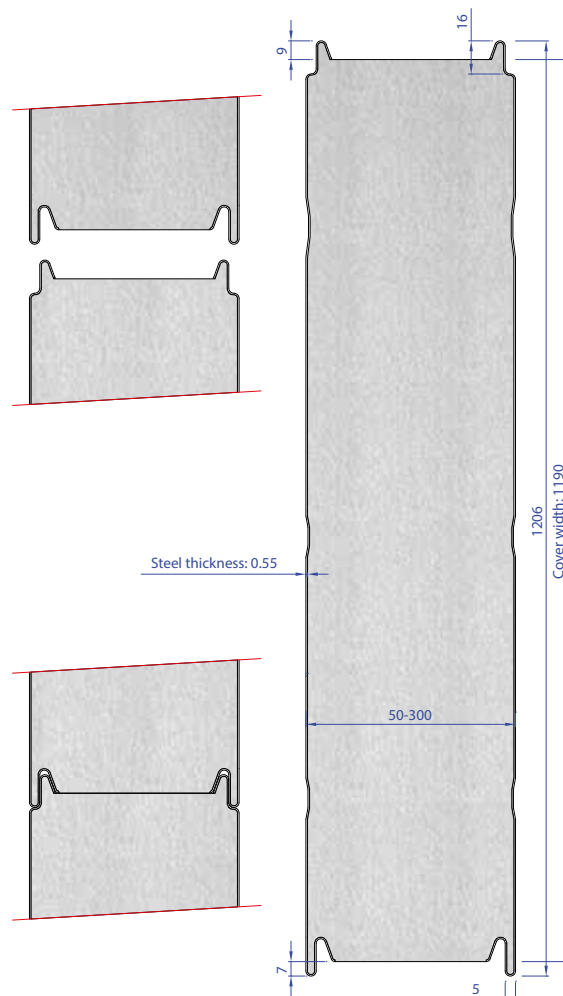
Application: Internal & external

Technical details:

- Cover width: 1190 mm
- Steel plate thickness: 0.55 mm (standard polyester)
- Steel quality: S280GD+Z275
- Thickness: 50 to 300 mm (non-standard thicknesses on request)
- Length: 600 – 15,000 mm
- Insulation: Modified flame-retardant grade
- 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	Rc value in m ² K/W	Fire-retardant minutes	Noise dampening dB(A)	Span metres*
50	10.12	1.39			4.00
60	10.34	1.67			5.00
80	10.72	2.22	according to:	Report description	6.00
100	11.12	2.78	NEN 3883		8.00
120	11.52	3.33			9.00
150	12.12	4.17	DIN=B1		10.00
200	13.12	5.56			12.00
250	14.12	6.94	DIN 4102		14.00
300	15.12	8.33			15.00

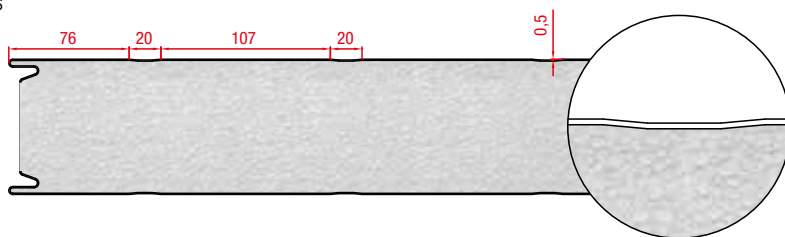
*Experience-based figure for maximum span

Optical profiles



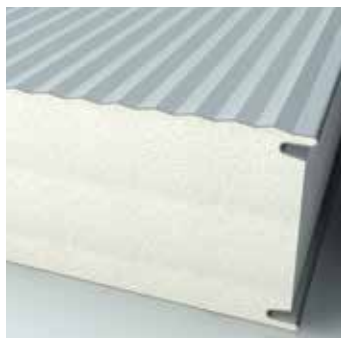
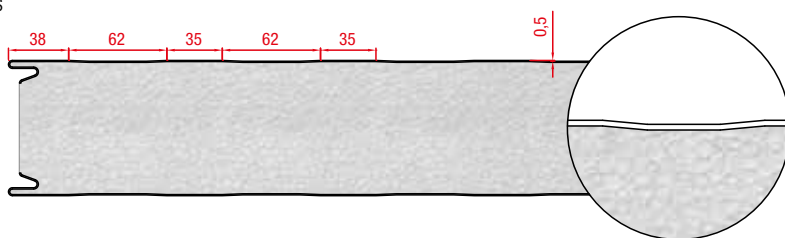
Standard profile

Application: 2 sides



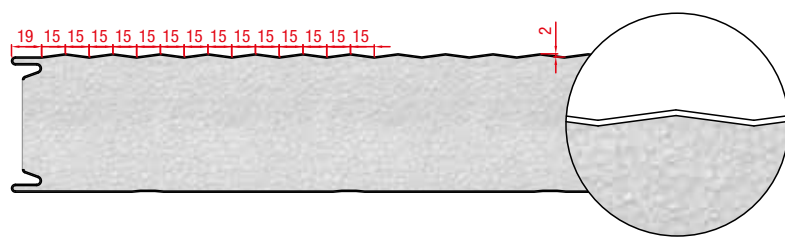
Box profile

Application: 2 sides



Micro lining

Application: 1 side



Plain

Application: 2 sides

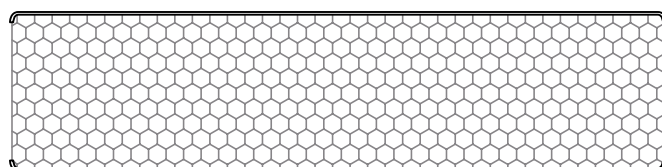
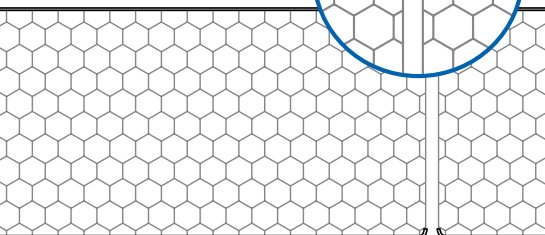
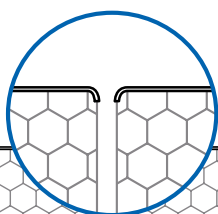


Sawing options

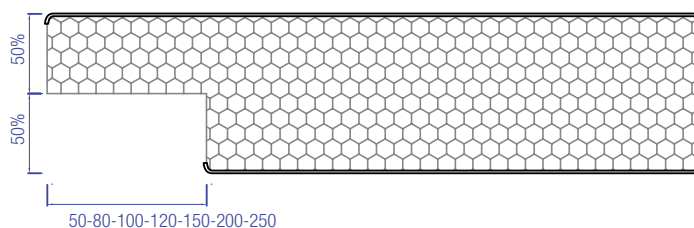


Sawing options: lengthwise on the panel

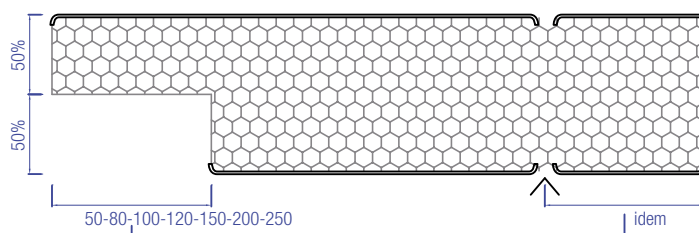
- Folded-in edging
- Extremely neat and dimensionally accurate
- No sharp edges
- No rust forming
- No splinters
- Price on request



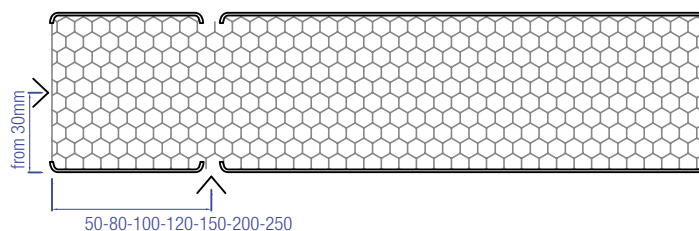
Type 0
No cuts



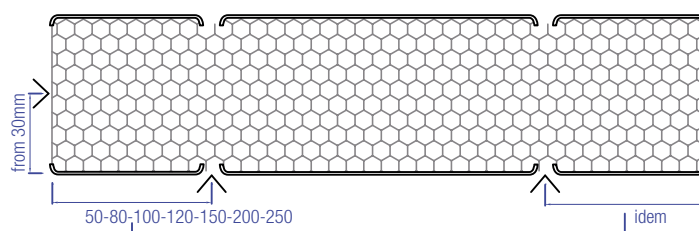
Type 1
Wall with notch
(both sides the same colour, no micro profiling)



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