



ISOPAREPS® ELEGANT

POLYSTYRENE WALL PANELS WITH HIDDEN FASTENERS

ISOPAREPS® ELEGANT is an extremely light wall panel which provides excellent thermal insulation as it is made of closed-cell sintered polystyrene foam EPS (chips); the outstanding feature of ISOPAREPS® ELEGANT is that it has hidden fasteners so the wall panels look seamlessly applied; it is coated with two backings in pre-painted galvanised steel, or, optionally, in stainless steel or pre-painted natural aluminium with a standard thickness of 0.5 mm each.

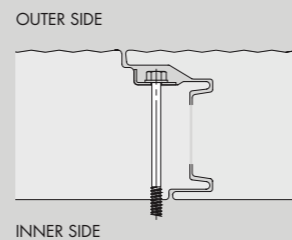
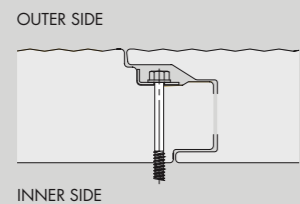
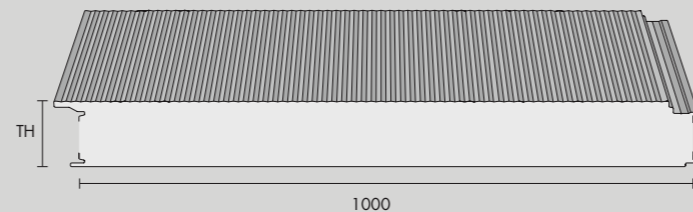
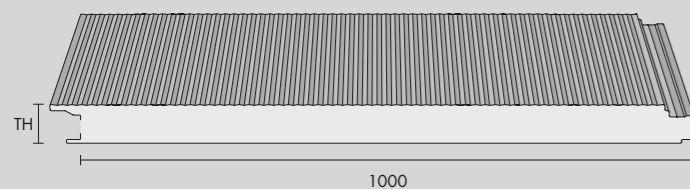
The double plate is optionally available in different thicknesses.

Panel size:
Workable width: mm 1000
Thickness: mm 40, 50, 60, 80, 100, 120, 150

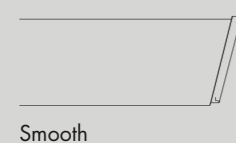
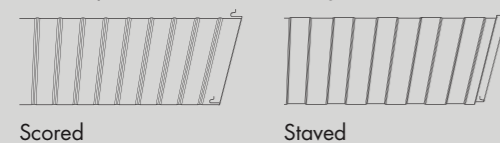
Note: manufacturing-wise it is impossible to fill the lower lip. This is due to the characteristics of the type of insulation.

THICKNESS 40 MM

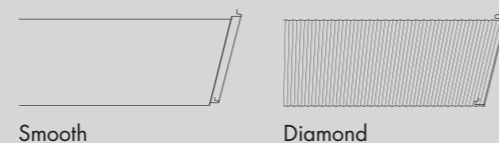
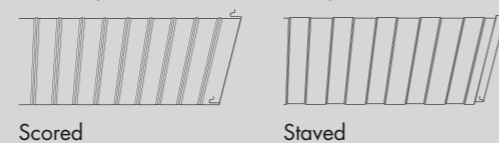
THICKNESS FROM 50 TO 150 MM



Micro-veining of the LOWER SIDE of the panel (to be specified when ordering)



Micro-veining of the UPPER SIDE of the panel (to be specified when ordering)



Static properties (kg/sq.m.)

EXTERNAL facing:
Steel 0.5 mm
INTERNAL facing:
Steel 0.5 mm

Effective span width:
120 mm

EXTERNAL facing:
Steel 0.5 mm
INTERNAL facing:
Steel 0.5 mm

Effective span width:
120 mm

WEIGHT table

SHEET METAL THICKNESS (mm)	P		
	100	120	150
40	220	195	170
50	270	245	220
60	295	270	245
80	340	310	280
100	380	350	310
120	405	375	395
150	430	400	360

p = Kg/sq.m. evenly distributed
Normal deflection limit: 1/200 ℓ

SHEET METAL THICKNESS (mm)	DOUBLE SPAN			MULTIPLE SPAN		
	100	120	150	100	120	150
40	280	250	210	280	250	210
50	330	300	260	330	300	260
60	355	325	285	355	325	285
80	415	385	350	415	385	350
100	465	430	390	465	430	390
120	490	455	415	490	455	415
150	515	480	440	515	480	440

p = Kg/sq.m. evenly distributed
Normal deflection limit: 1/200 ℓ

SHEET METAL THICKNESS (mm)	WEIGHT (kg/sq.m.)
40	9.35
50	9.60
60	9.85
80	10.40
100	10.90
120	11.40
150	11.90

U Transmittance	EPS Traditional						
	40	50	60	80	100	120	150
W/sq.m. K	0.74	0.64	0.54	0.41	0.33	0.28	0.22
Kcal/sq.m. h °C	0.63	0.55	0.46	0.35	0.28	0.24	0.19

U Transmittance	EPS Black						
	40	50	60	80	100	120	150
W/sq.m. K	0.72	0.62	0.51	0.38	0.31	0.26	0.20
Kcal/sq.m. h °C	0.62	0.53	0.44	0.32	0.26	0.22	0.17

OTHER METAL SUPPORTS AND DIFFERENT THICKNESSES ARE AVAILABLE UPON REQUEST.