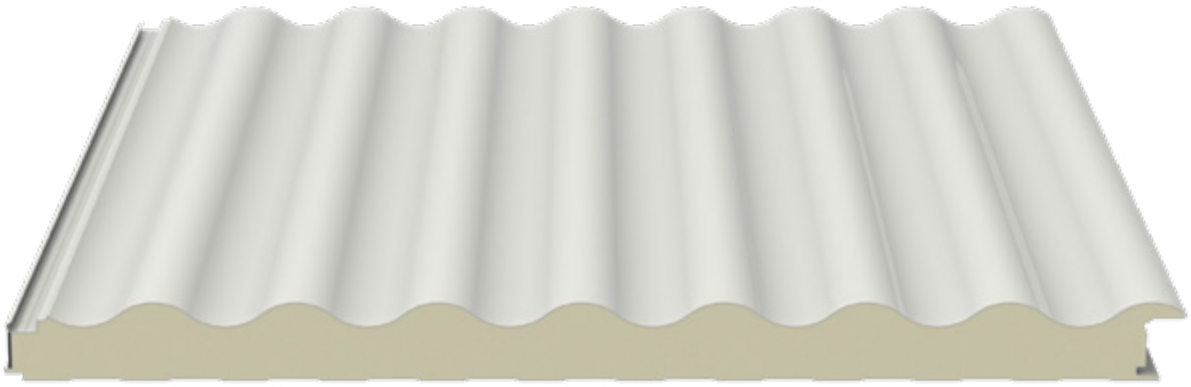
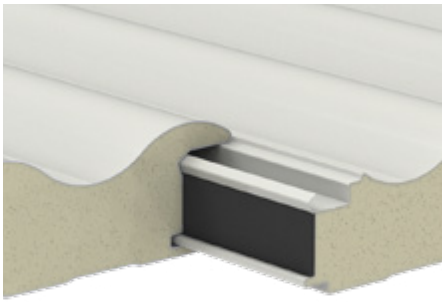
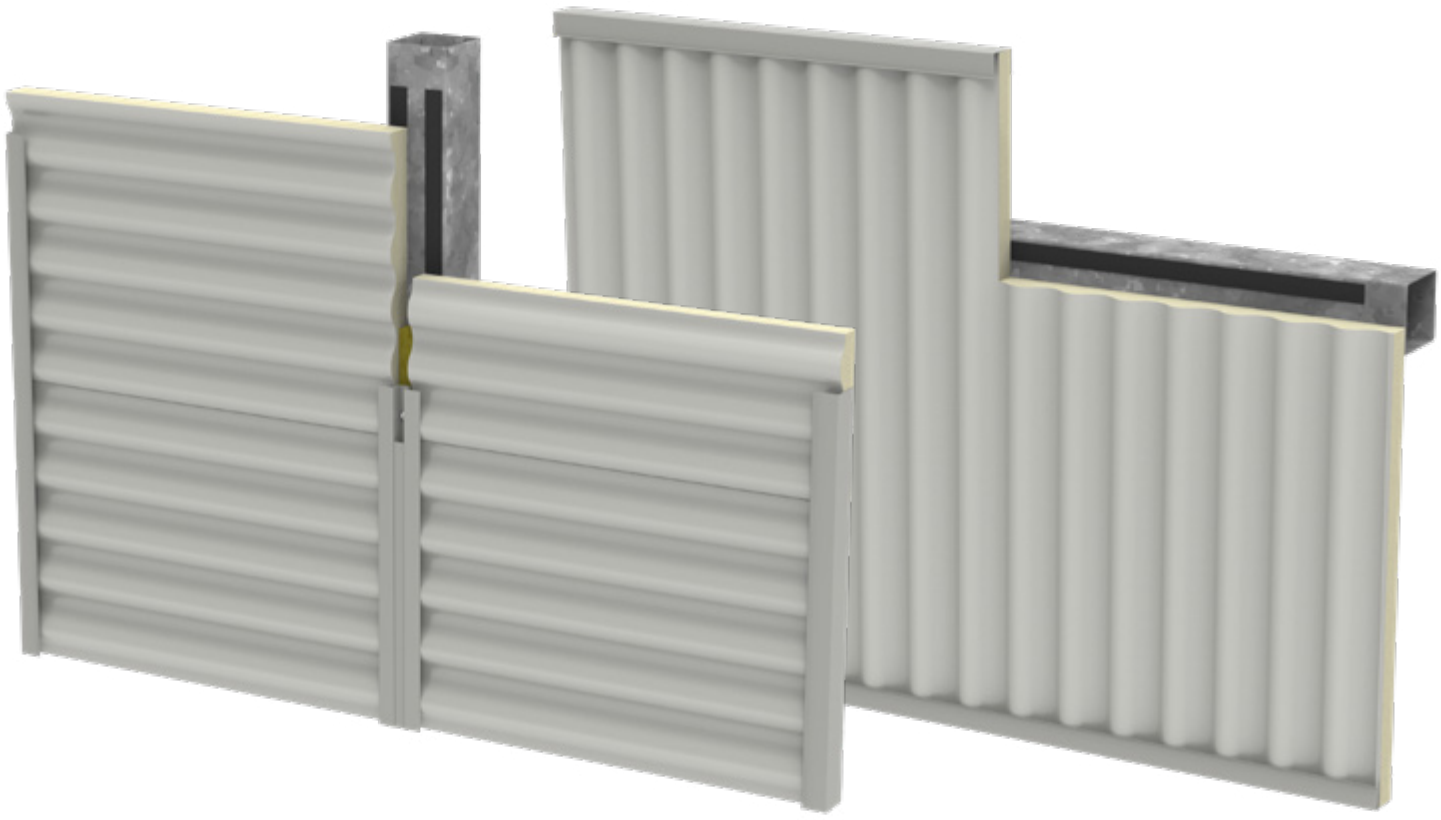
Isoclass

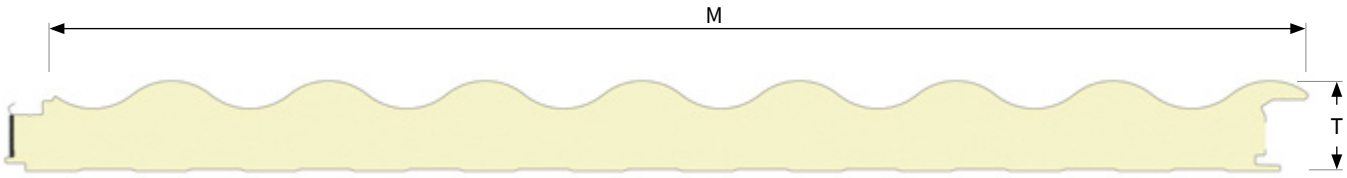


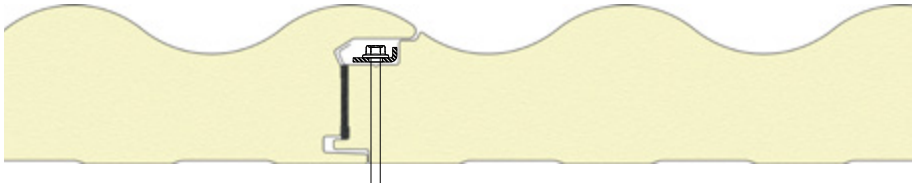
Product Description	• Sandwich panel for external and internal walls • Double metal facing in pre-painted sheet metal • Configurable aesthetic Surface finishes • Polyurethane foam insulation • Interlocking system with concealed fastening





Isoclass
Isopan SpA - Trevenzuolo (VR) - Italy



Detail of modular interlocking	
Useful width - "M"	1000 mm
Available length	On request
Insulation	Polyurethane foam (PU) Polyisocyanurate foam (PIR) Nominal density 40 kg/m^3
Metal sheets	External metal sheet: Pre-painted sheet Internal metal sheet: Pre-painted sheet
Fire Performance Any fire performance must be specifically requested when ordering. For more technical information, please contact Isopan.	**Reaction to fire (EN 13501-1)** Up to B-s1,d0 (PIR)

BREEAM® LEED CE

Capacity tables

Steel sheets

Sheet thickness
0,5 mm - External
0,5 mm - Internal

Support width 120mm

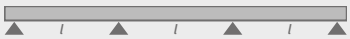
UNIFORMLY DISTRIBUTED LOAD	NOMINAL SHEET THICKNESS [mm]			
[kg/m²]	72	92	102	122
	Maximum Span “l” [cm]			
50	455	570	610	650
60	420	515	555	600
80	360	455	490	525
100	350	430	465	505
120	310	390	425	455
140	280	350	385	420
160	260	330	360	395
180	260	325	355	385
200	240	305	330	360

Capacity tables

Steel sheets

Sheet thickness
0,5 mm - External
0,5 mm - Internal

Support width 120mm



UNIFORMLY DISTRIBUTED LOAD	NOMINAL SHEET THICKNESS [mm]			
[kg/m²]	72	92	102	122
	Maximum Span “l” [cm]			
50	455	570	605	645
60	410	515	540	570
80	355	435	455	475
100	330	400	425	445
120	290	355	365	385
140	265	320	335	345
160	235	290	305	315
180	225	285	300	315
200	195	265	275	295

Calculation for static dimensioning carried out according to the contents of Annex E of EN standard 14509. Deflection limit 1/200 ℓ.
The values shown in the capacity tables do not take into account the thermal load.

Technical specifications
Available thickness ‘T’

Thermal Transmittance ‘U’ according to EN 14509 - A.10.
The weight considers panels with steel sheets, nominal thickness indicated in the table.

T	Thermal Transmittance - U		Weight - [Kg/m²]	
[mm]	[W/m²K]	[kcal/m² h °C]	0,5 mm	0,6 mm
72	0,34	0,30	10,9	12,7
92	0,26	0,23	11,7	13,5
102	0,23	0,20	12,1	13,9
122	0,21	0,18	12,9	14,7

Instructions for use and dimensional tolerances

consult the Technical Manual, General Sales Conditions and Annexes available on the website.