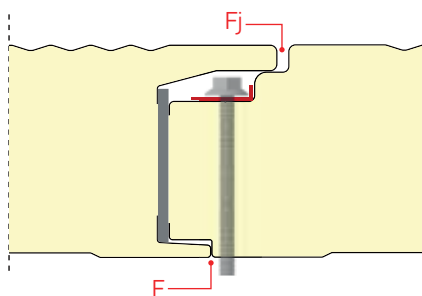
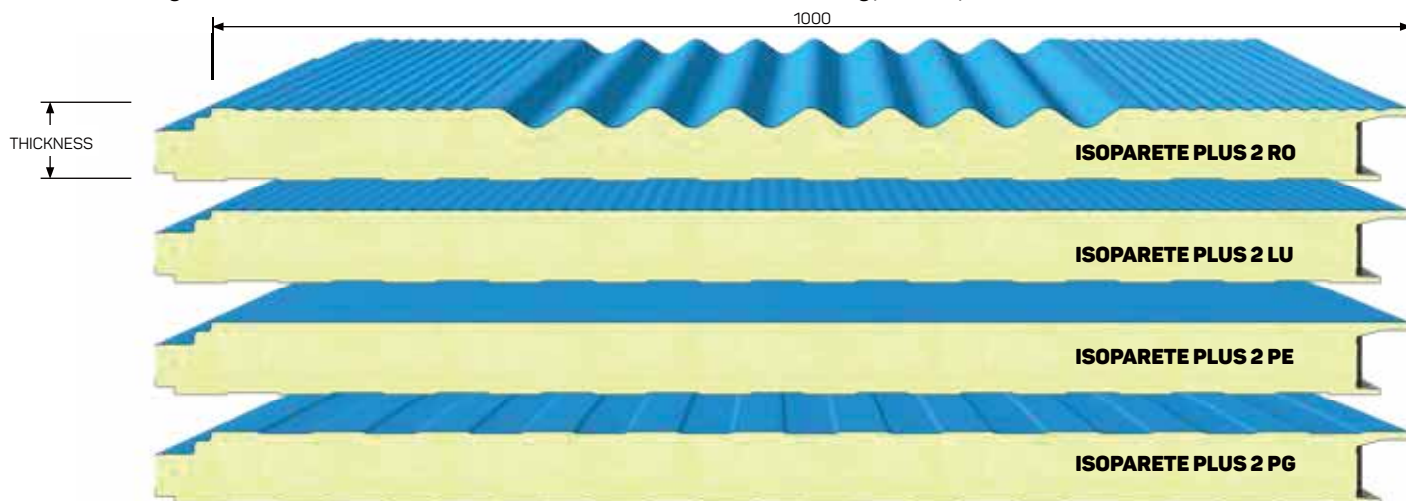


Isoparete Plus 2

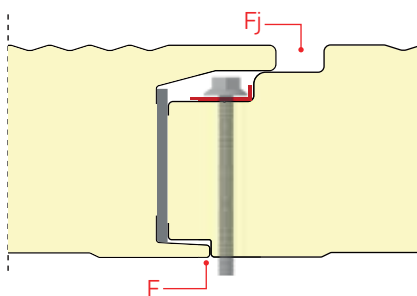
Manufactured in: Italy



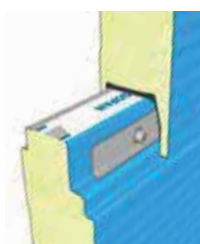
It is a self-supporting metal faced panel insulated with polyurethane foam; the labyrinth configuration and the tongue-and-groove joint with a special place for the screw determine the fully concealed fixing element. The fixing elements are concealed. It is available with different types of profile.



Joint detail (Fj=4mm standard)



Fj=18mm option



Isopan recommends, during the assembly phase, the use of a specific steel plate to distribute the tightening loads of the screw. The number and the place of the fixing elements must guarantee the stresses resistance, included depression loads.



INSTRUCTIONS OF USE

For the use of the panels and the related limits, please consult the Technical Manual available on www.isopan.com, General Sales Terms and Annexes defined by ISOPAN.



→ see pag. 16

OVERLOAD SPANS

STEEL SHEETS 0,5 / 0,5 mm - Support 120 mm												
UNIFORMLY DISTRIBUTED LOAD kg/m ²	PANEL NOMINAL THICKNESS mm						PANEL NOMINAL THICKNESS mm					
	40	50	60	80	100	120	40	50	60	80	100	120
	MAX SPANS cm						MAX SPANS cm					
50	320	380	440	550	640	730	380	450	520	650	740	800
60	300	350	410	500	590	680	340	410	470	590	660	710
80	260	310	350	440	520	600	290	350	410	500	550	600
100	230	275	320	395	470	540	260	310	360	440	490	510
120	210	250	290	360	430	490	230	280	320	390	430	460
140	190	230	265	330	395	455	200	250	295	360	390	420
160	175	210	245	310	370	425	185	220	265	330	360	385
180	165	195	230	290	345	400	160	200	240	305	340	360
200	155	185	215	270	325	375	145	180	215	285	315	335

ALUMINIUM SHEETS 0,6 / 0,6 mm - Support 120 mm												
UNIFORMLY DISTRIBUTED LOAD kg/m ²	PANEL NOMINAL THICKNESS mm						PANEL NOMINAL THICKNESS mm					
	40	50	60	80	100	120	40	50	60	80	100	120
	MAX SPANS cm						MAX SPANS cm					
50	240	290	330	410	480	550	290	350	400	490	580	620
60	230	270	310	380	450	510	270	320	360	450	530	560
80	200	240	270	335	390	450	235	280	320	400	470	540
100	180	215	245	305	360	400	210	250	285	360	420	480
120	165	195	220	280	330	380	190	225	260	330	390	445
140	155	185	210	260	310	355	170	210	240	300	360	410
160	140	170	195	240	285	335	160	190	220	280	330	380
180	135	160	185	230	275	310	150	180	210	265	310	360
200	125	150	175	220	260	300	140	170	195	245	285	335

Calculation for static sizing according to the Annex E of the UNI EN 14509 standard. Deflection limit 1/200 ℓ . Thermal load is not considered.

PANELS WEIGHT (Steel sheets)

THICKNESS SHEETS mm		PANEL NOMINAL THICKNESS mm					
		40	50	60	80	100	120
0,5 / 0,5	kg/m ²	10,3	10,7	11,1	11,9	12,7	13,5
0,6 / 0,6	kg/m ²	12,1	12,5	12,9	13,7	14,5	15,3

DIMENSION TOLERANCE (EN 14509)

DEVIATION mm		
Length	L ≤ 3 m	± 5 mm
	L > 3 m	± 10 mm 0
Working length	± 2 mm	
Thickness	D ≤ 100 mm	± 2 mm
	D > 100 mm	± 2 %
Deviation from perpendicularity	6 mm	
Misalignment of the internal metal faces	± 3 mm	
Sheets coupling	F = 0 + 3 mm	

L = working length, D = panels thickness, F = sheets coupling



FIRE PERFORMANCES

Regarding the specifications related to the fire characteristics, please consult the synthesis available in the catalogue or on the website.

THERMAL INSULATION

According to EN 14509 Annex 10

U	PANEL NOMINAL THICKNESS mm					
	40	50	60	80	100	120
W/m ² K	0,64	0,49	0,41	0,29	0,23	0,19
kcal/m ² h °C	0,55	0,42	0,35	0,25	0,20	0,16