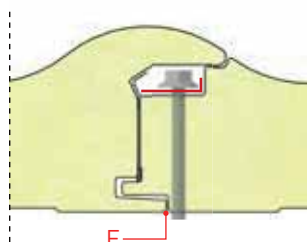
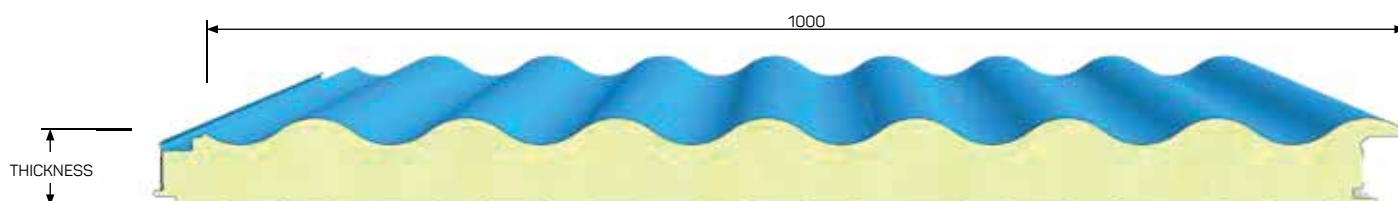


Isoclass

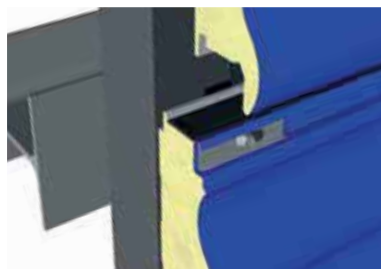
Manufactured in: Italy



Isoclass 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.



Joint detail



Horizontal installation
(from bottom to the top)



Vertical installation

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			
	72	92	102	122	72	92	102	122
	MAX SPANS cm				MAX SPANS cm			
50	455	570	610	650	455	570	605	645
60	420	515	555	600	410	515	540	570
80	360	455	490	525	355	435	455	475
100	350	430	465	505	330	400	425	445
120	310	390	425	455	290	355	365	385
140	280	350	385	420	265	320	335	345
160	260	330	360	395	235	290	305	315
180	260	325	355	385	225	285	300	315
200	240	305	330	360	195	265	275	295

STEEL SHEETS 0,6 / 0,6 mm - Support 120 mm								
UNIFORMLY DISTRIBUTED LOAD kg/m ²	PANEL NOMINAL THICKNESS mm				PANEL NOMINAL THICKNESS mm			
	72	92	102	122	72	92	102	122
	MAX SPANS cm				MAX SPANS cm			
50	475	600	640	680	475	600	635	680
60	440	540	580	620	430	540	565	595
80	380	475	510	545	370	455	475	495
100	365	450	480	520	340	420	440	460
120	320	400	435	470	300	365	380	395
140	290	360	395	425	270	330	340	355
160	265	335	365	395	240	295	310	320
180	265	330	360	390	225	290	305	320
200	240	305	330	360	195	265	275	295

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 (steel)		PANEL NOMINAL THICKNESS mm			
		72	92	102	122
0,5 / 0,5	kg/m ²	10,9	11,7	12,1	12,9
0,6 / 0,6	kg/m ²	12,7	13,5	13,9	14,7

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			
	72	92	102	122
W/m ² K	0,34	0,26	0,23	0,21
kcal/m ² h °C	0,30	0,23	0,20	0,18