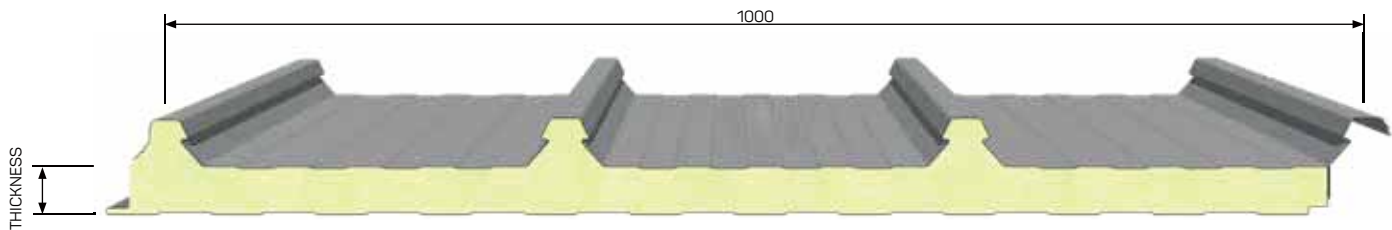


Isocop Multifunction

Manufactured in: Germany



It is a self-supporting double skin panel, insulated with polyurethane foam, with a tongue-groove joint, and it is available in different thicknesses. On large longitudinal pitches, panel overlapping can be provided for. The panel is composed by 4 ribs that allow to increase the static resistance. The rib shape allows to complement the system with covering or wall accessories with simple and quick operations.



Example with roof accessory



Example with wall accessory



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.



FIRE PERFORMANCES

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



→ see pag. 16

OVERLOAD SPANS

UNIFORMLY DISTRIBUTED LOAD kg/m ²	STEEL SHEETS 0,5 / 0,5 mm - Support 120 mm							STEEL SHEETS 0,6 / 0,5 mm - Support 120 mm						
	PANEL NOMINAL THICKNESS mm							PANEL NOMINAL THICKNESS mm						
	30	40	50	60	80	100	120	30	40	50	60	80	100	120
	MAX SPANS cm							MAX SPANS cm						
80	295	330	370	400	470	530	590	310	340	390	420	490	550	610
100	260	305	330	370	430	490	540	260	315	350	380	440	500	550
120	220	275	300	330	395	435	490	220	290	330	355	400	450	500
140	195	250	270	295	350	410	460	195	250	295	320	380	420	460
160	170	220	250	270	320	380	420	170	220	270	290	340	390	430
180	150	200	230	245	285	340	400	155	200	245	265	310	360	400
200	140	180	210	225	260	310	360	135	180	225	250	285	330	380
220	125	165	200	210	240	280	330	125	175	200	230	265	305	350
250	110	145	180	195	215	250	280	115	150	180	210	235	270	310

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						
		30	40	50	60	80	100	120
0,4 / 0,4	kg/m ²	8,1	8,5	8,9	9,3	10,1	10,9	11,7
0,5 / 0,5	kg/m ²	9,9	10,3	10,7	11,2	11,9	12,7	13,5
0,6 / 0,6	kg/m ²	11,7	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
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	
Bottom sheet coupling	F = 0 + 3 mm	

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

THERMAL INSULATION

According to EN 14509 Annex 10

U	PANEL NOMINAL THICKNESS mm						
	30	40	50	60	80	100	120
W/m ² K	0,71	0,54	0,44	0,37	0,28	0,22	0,19
kcal/m ² h °C	0,61	0,47	0,38	0,32	0,24	0,19	0,16

