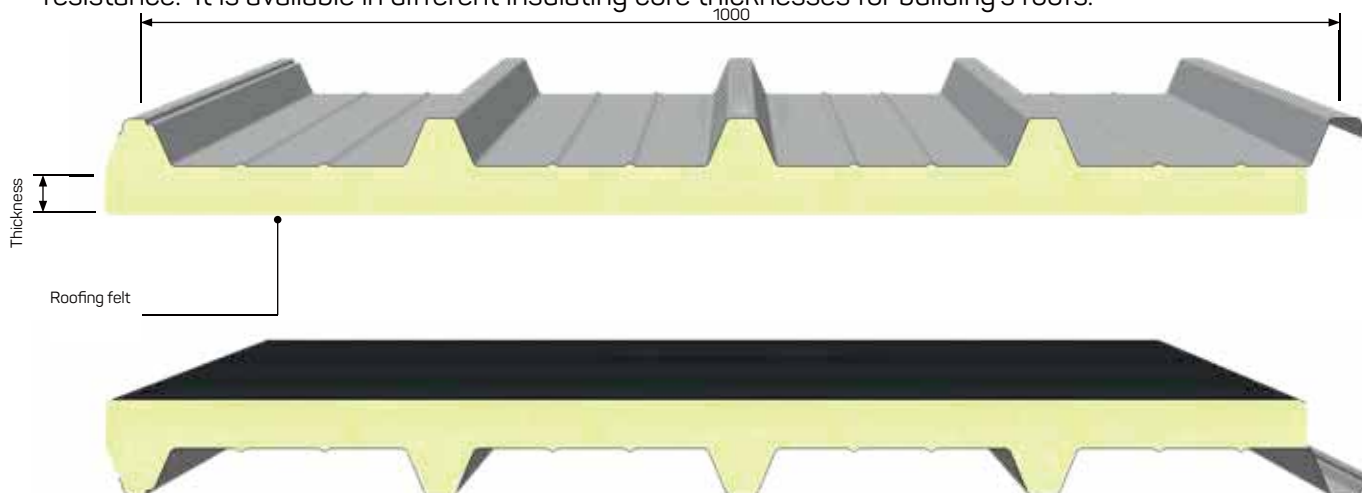


Isodeck

Manufactured in: Italy, Germany, Spain, Romania



Isodeck is a self-supporting simple skin metal faced panel, insulated with polyurethane foam with internal face made of roofing felt. The panel can be installed upside down for the construction of flat roofs to be waterproofed on site. In fact, the ribbed face is the internal face of the building; it can also be used in the traditional way on hidden faces and continuous slab. The panel is composed by 5 ribs that allow a good static resistance. It is available in different insulating core thicknesses for building's roofs.



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

STEEL SHEETS										
UNIFORMLY DISTRIBUTED LOAD kg/m ²	THICKNESS SHEETS mm					THICKNESS SHEETS mm				
	MAX SPANS cm					MAX SPANS cm				
	0,5	0,6	0,7	0,8	1,0	0,5	0,6	0,7	0,8	1,0
80	220*	235	250	265	285	250*	270	285	295	320
100	200*	220*	235	245	265	200*	245*	260	275	295
120	180*	200*	215*	230	250	200*	225*	240*	260	280
140	165*	185*	200*	215*	235	185*	205*	225*	240*	265
160	155*	170*	185*	200*	225	175*	195*	210*	225*	255

ALUMINIUM SHEETS								
UNIFORMLY DISTRIBUTED LOAD kg/m²								
	THICKNESS SHEETS mm				THICKNESS SHEETS mm			
	0,6	0,7	0,8	1,0	0,6	0,7	0,8	1,0
MAX SPANS cm					MAX SPANS cm			
80	160*	170	180	190	180*	190	200	220
100	140*	155*	165	180	160*	175*	190	205
120	130*	140*	155	170	145*	160*	185	190
140	120*	130*	140*	160	135*	150*	160*	180
160	110*	120*	130*	150	125*	140*	150*	170

* Values with stress limitations. Deflection limit 1/200 ℓ

PANELS WEIGHT (Steel sheets)

THICKNESS SHEETS mm		PANEL NOMINAL THICKNESS mm					
		30	40	50	60	80	100
0,6	kg/m ²	7,3	7,7	8,1	8,5	9,3	10,1
0,7	kg/m ²	8,3	8,7	9,1	9,5	10,3	11,1
0,8	kg/m ²	9,1	9,7	10,1	10,5	11,3	12,1

DIMENSION TOLERANCE

DEVIATION mm	
Length	± 10
Working length	± 5
Thickness	± 2
Orthogonality and rectangularity	± 3

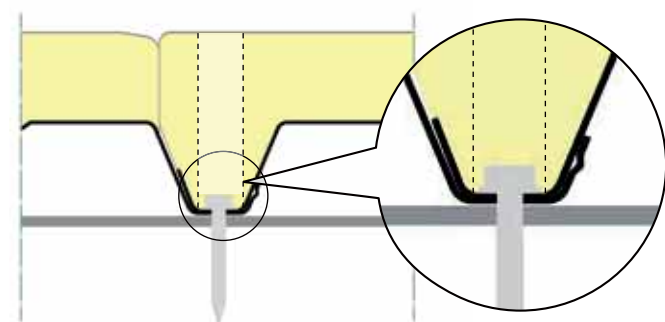
THERMAL INSULATION

According to EN 14509 Annex 10

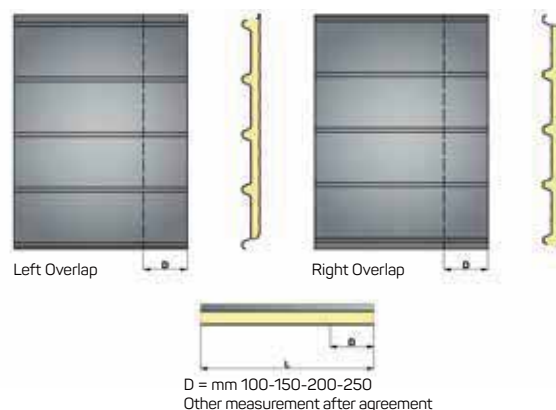
U	PANEL NOMINAL THICKNESS mm					
	30	40	50	60	80	100
W/m ² K	0,71	0,54	0,44	0,37	0,28	0,22
kcal/m ² h °C	0,61	0,47	0,38	0,32	0,24	0,20

According to the calculation method EN ISO 6946

K	PANEL NOMINAL THICKNESS mm					
	30	40	50	60	80	100
W/m ² K	0,55	0,44	0,36	0,31	0,25	0,20
kcal/m ² h °C	0,48	0,38	0,32	0,27	0,22	0,17



Details of the fixing system

D = mm 100-150-200-250
Other measurement after agreement