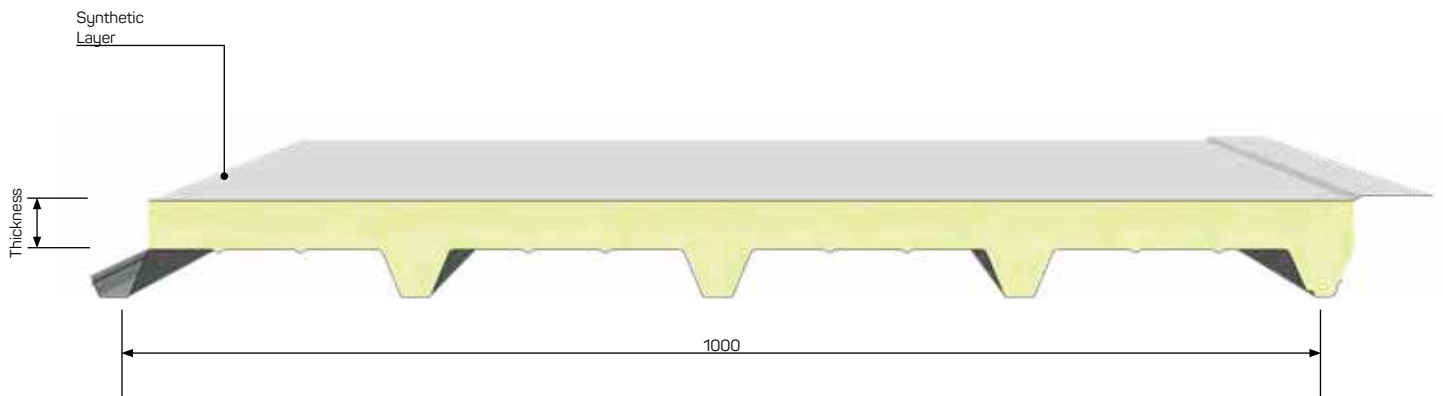


Isodeck Synth

Panel designed for the construction of flat or slightly pitched roofs, characterised by an excellent waterproofing capacity and, at the same time, high values of thermal insulation. It is a simple skin panel with the second surface made of a synthetic PVC/TPO layer.



APPLICATION

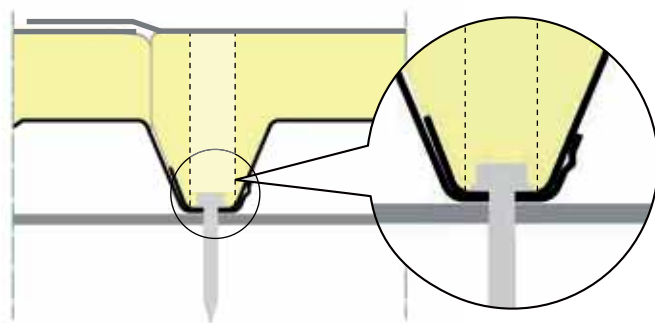
Isodeck Synth is a panel that can be used on any type of loadbearing structure and that offers a great versatility, conferred by the lightness of the panel and the speed of installation. Particularly adapted for flat or slightly pitched roofs and roof floors.

CHARACTERISTICS

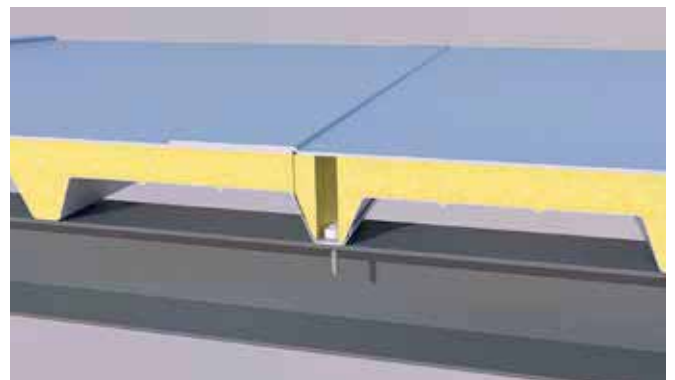
- Internal face: prepainted galvanised steel (EN 10346)
- Insulating core: expanded polyurethane foam
- External face: Synthetic layer

ADVANTAGES

- A simple, versatile, quick and economic solution
- Excellent resistance to UV rays
- High waterproofing capacity



Fixing system detail





→ see pag. 16

OVERLOAD SPANS

STEEL SHEETS										
UNIFORMLY DISTRIBUTED LOAD										
	THICKNESS SHEETS mm					THICKNESS SHEETS mm				
	0,5	0,6	0,7	0,8	1,0	0,5	0,6	0,7	0,8	1,0
kg/m²	MAX SPANS cm					MAX SPANS cm				
60	245	260	275	290	315	275	295	310	325	350
80	220*	235	250	265	285	250*	270	285	295	320
100	200*	220*	235	245	265	220*	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
180	145*	160*	175*	190*	215*	165*	180*	200*	210*	240*
200	140*	155*	165*	180*	200*	155*	170*	185*	200*	225*
ALUMINIUM SHEETS										
UNIFORMLY DISTRIBUTED LOAD										
	THICKNESS SHEETS mm				THICKNESS SHEETS mm					
	0,6	0,7	0,8	1,0	0,6	0,7	0,8	1,0		
kg/m²	MAX SPANS cm				MAX SPANS cm					
60	160*	170	180	190	180*	190	200	220		
100*	130*	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. The calculation considers only the snow load, so it is intended to be indicative.

PANELS WEIGHT (Steel sheets)

THICKNESS SHEETS mm	PANEL NOMINAL THICKNESS mm					
	30	40	50	60	80	100
0,6 kg/m ²	9,0	9,4	9,8	10,2	11,0	11,8
0,7 kg/m ²	10,0	10,4	10,8	11,2	12,0	12,8
0,8 kg/m ²	10,8	11,4	11,8	12,2	13,0	13,8

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	0,76	0,57	0,45	0,38	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

**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.