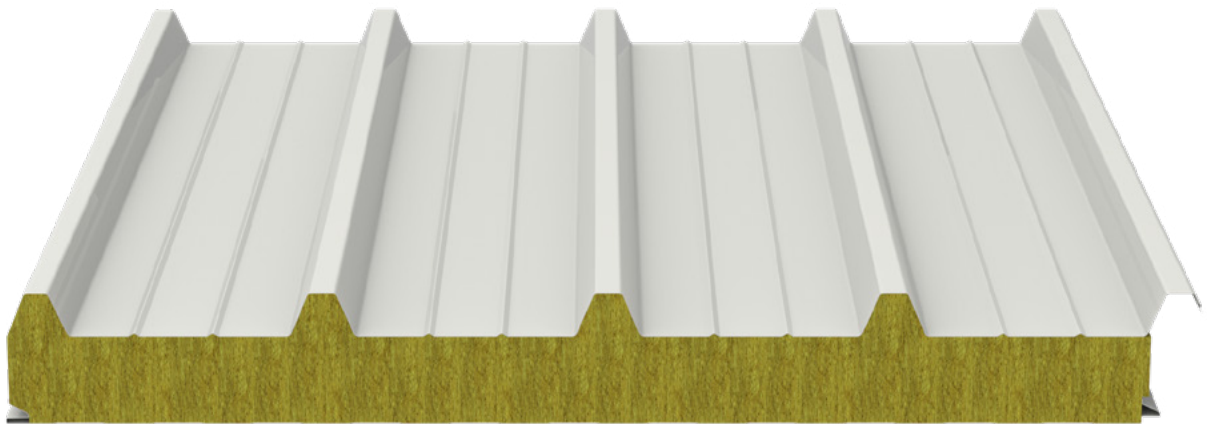
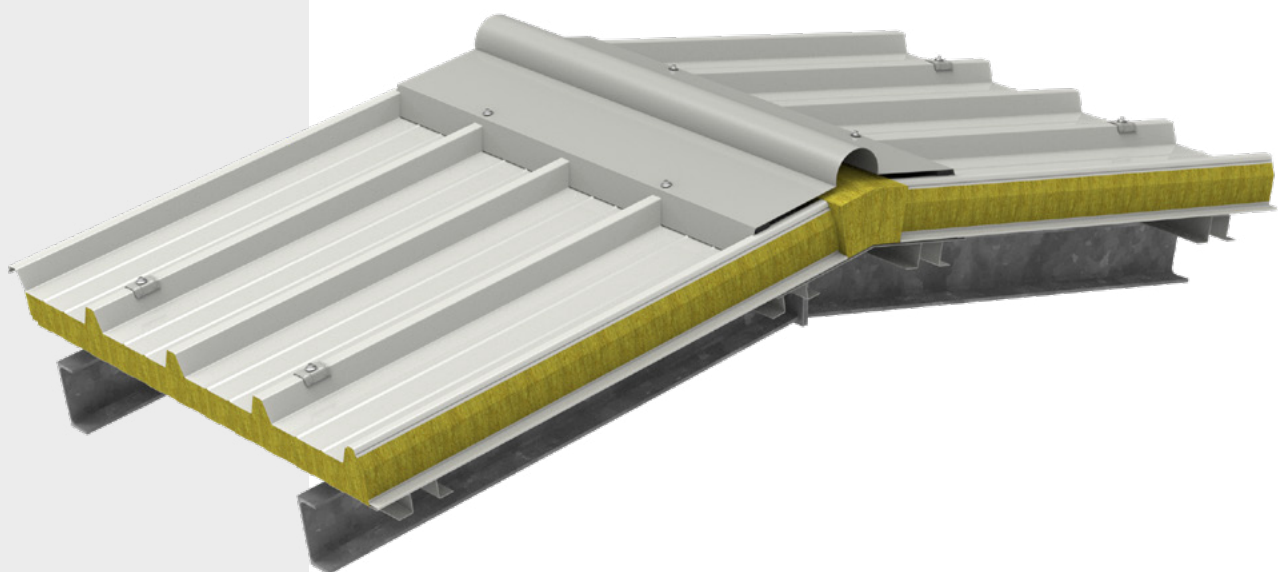
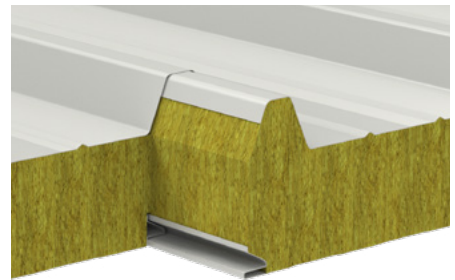


Isofire Roof



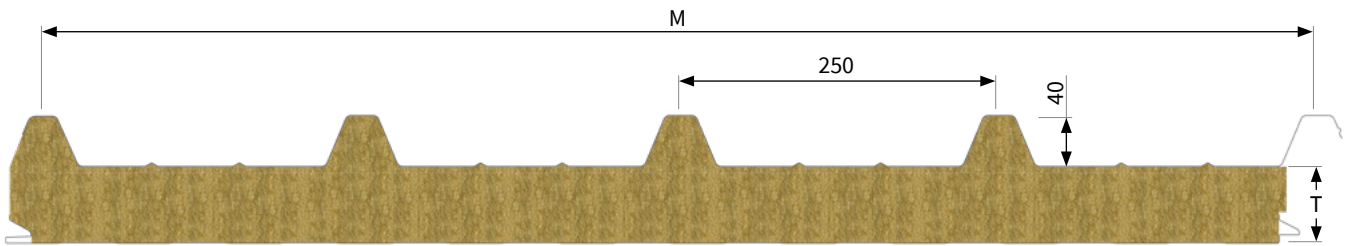
Product Description

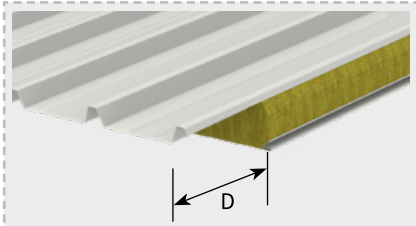
- Sandwich panel for roofs with a minimum slope of 7%.
- 3-rib corrugated profile, H 40 mm
- Double metal facing in pre-painted sheet metal
- Rock mineral wool insulation





Isofire Roof



Useful width - “M”	1000 mm								
Available length	On request								
Insulation	Rock fibre mineral wool Nominal density100 kg/m³		Overlapping D= 50; 100; 150; 200 mm / on request Other sizes on request						
Facing materials	External metal sheet: Pre-painted sheet Internal metal sheet: Pre-painted sheet								
Fire Performance Any fire performance must be specifically requested when ordering. For more technical information, please contact Isopan	<table><tr><th>Reaction to fire (EN 13501-1; EN 13509)</th><th>Fire resistance (EN 13501-2; EN 14509)</th><th>Broof</th></tr><tr><td>A2,s1-d0</td><td>REI 240 - 200mm REI 180 - 100mm REI 120 - 100mm REI 60 - 80mm REI 30 - 50mm</td><td>BROOF T1 T2 T3</td></tr></table>			Reaction to fire (EN 13501-1; EN 13509)	Fire resistance (EN 13501-2; EN 14509)	Broof	A2,s1-d0	REI 240 - 200mm REI 180 - 100mm REI 120 - 100mm REI 60 - 80mm REI 30 - 50mm	BROOF T1 T2 T3
Reaction to fire (EN 13501-1; EN 13509)	Fire resistance (EN 13501-2; EN 14509)	Broof							
A2,s1-d0	REI 240 - 200mm REI 180 - 100mm REI 120 - 100mm REI 60 - 80mm REI 30 - 50mm	BROOF T1 T2 T3							
Acoustic Performance Any acoustic performance must be specifically requested when ordering.	<table><tr><th>Acoustic Insulation</th></tr><tr><td>Rw = 34dB - 200mm Rw = 33 dB - 150mm Rw = 30 dB - 50mm</td></tr></table>			Acoustic Insulation	Rw = 34dB - 200mm Rw = 33 dB - 150mm Rw = 30 dB - 50mm				
Acoustic Insulation									
Rw = 34dB - 200mm Rw = 33 dB - 150mm Rw = 30 dB - 50mm									
FM Approved	On request, available with FM Approved certification 								
  									

Capacity tables

Steel sheets

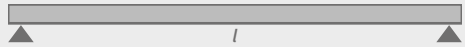
Sheet thickness

0,5mm - External

0,5mm - Internal

Support width 120mm.

*Support width 150 mm

UNIFORMLY DISTRIBUTED LOAD [kg/m ²]								
	NOMINAL SHEET THICKNESS [mm]							
	50	60	80	100	120	150	170*	200*
	Maximum Span "l" [cm]							
80	330	360	420	475	525	550	560	570
100	305	330	375	425	480	495	500	510
120	270	300	345	390	435	475	480	490
140	255	270	315	360	405	420	425	435
160	235	255	290	320	365	390	395	405
180	210	235	270	305	340	360	365	370
200	195	210	255	290	320	340	345	350
220	185	200	240	265	295	325	330	335
250	165	185	215	250	275	290	295	300

Capacity tables

Steel sheets

Sheet thickness

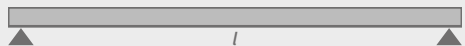
0,6mm - External

0,6mm - Internal

Support width 120mm.

*Support width 150 mm

Calculation for static dimensioning carried out according to the contents of Annex E of EN standard 14509. Deflection limit 1/200 ℓ . The values shown in the capacity tables do not take into account the thermal load.

UNIFORMLY DISTRIBUTED LOAD [kg/m ²]								
	NOMINAL SHEET THICKNESS [mm]							
	50	60	80	100	120	150	170*	200*
	Maximum Span "l" [cm]							
80	350	375	430	495	545	595	605	615
100	315	340	395	445	495	540	550	560
120	280	310	355	405	450	485	490	495
140	260	290	325	370	415	440	445	450
160	245	260	300	340	375	405	410	415
180	230	245	280	315	345	380	385	390
200	210	230	265	300	330	350	355	360
220	195	220	250	280	310	330	335	340
250	170	195	230	260	290	300	305	310

Technical specifications

Available thickness 'T'

Thermal insulation 'U' according to EN 14509 - A.10.

The weight considers panels with steel sheets, nominal thickness indicated in the table.

T [mm]	Thermal Insulation - U		[Kg/m ²]	
	[W/m ² K]	[kcal/m ² h °C]	0,5mm	0,6mm
50	0,78	0,67	14,4	16,2
60	0,66	0,57	15,4	17,2
80	0,50	0,43	17,4	19,2
100	0,40	0,34	19,4	21,2
120	0,34	0,29	21,4	23,2
150	0,27	0,23	24,4	26,2
170	0,24	0,21	26,4	28,2
200	0,20	0,17	29,4	31,2

Instructions for use and dimensional tolerances

consult the Technical Manual, General Sales Conditions and Annexes available on the website.