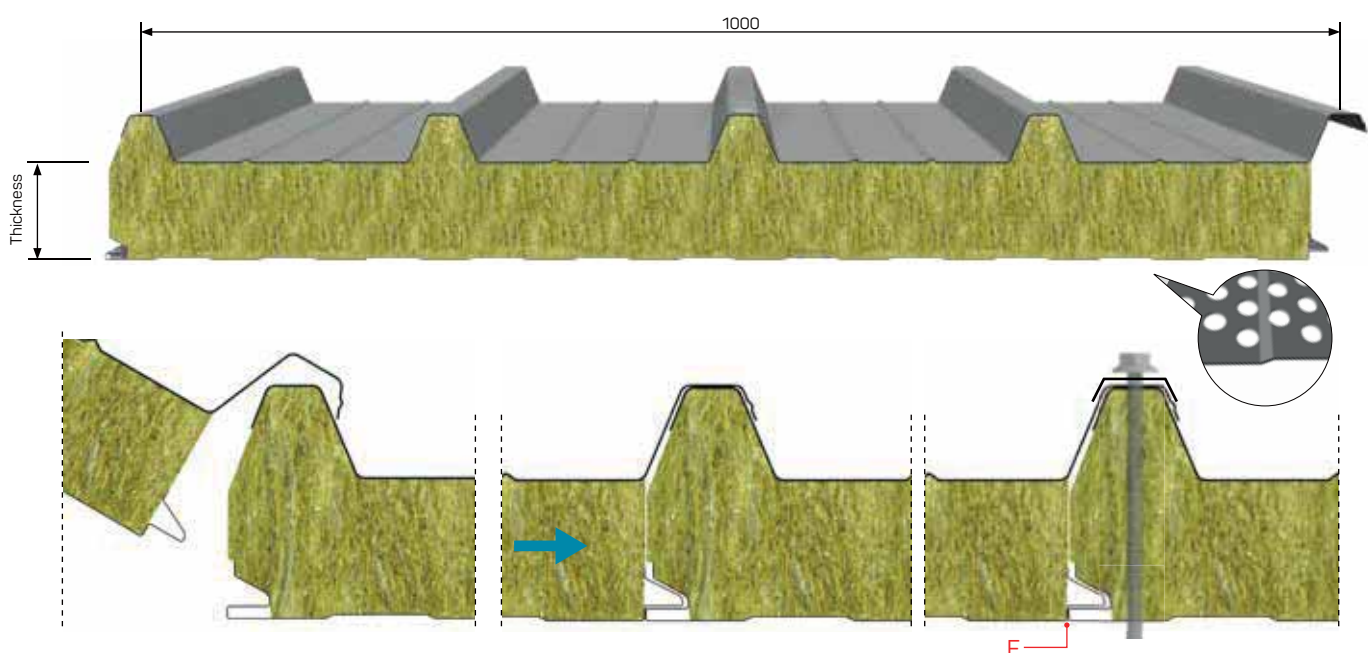


# Isofire Roof Fono

Manufactured in: Italy



Isofire Roof FONO is a self-supporting double skin panel, insulated with mineral wool fibre made with an exclusive insulation layer composed of mineral wool strips. The fixing system is a penetrating type with the possibility to use exposed caps. The internal sheet is characterised by a micro-drilling that enhances acoustic performances; meaning the sound absorption and insulation.



#### INSTRUCTIONS OF USE

For the use of the panels and the related limits, please consult the Technical Manual available on [www.isopan.com](http://www.isopan.com), General Sales Terms and Annexes defined by ISOPAN.



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**OVERLOAD SPANS**

UNIFORMLY DISTRIBUTED LOAD kg/m <sup>2</sup>	STEEL SHEETS 0,5 / 0,5 mm - Support 120 mm						STEEL SHEETS 0,6 / 0,6 mm - Support 120 mm					
	PANEL NOMINAL THICKNESS mm						PANEL NOMINAL THICKNESS mm					
	50	60	80	100	120	150	50	60	80	100	120	150
	MAX SPANS cm						MAX SPANS cm					
80	285	310	365	410	455	475	300	325	370	430	470	515
100	265	285	325	365	415	430	270	295	340	385	430	465
120	230	260	300	335	375	410	240	265	305	350	390	420
140	220	230	270	310	350	365	225	250	280	320	360	380
160	200	220	250	275	315	335	210	225	260	295	325	350
180	180	200	230	265	295	310	200	210	240	270	300	330
200	165	180	220	250	275	295	180	200	230	260	285	300
220	160	170	205	230	255	280	165	190	215	240	265	285
250	140	160	185	215	235	250	145	165	200	225	250	260

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					
		50	60	80	100	120	150
0,5 / 0,5	kg/m <sup>2</sup>	12,9	13,9	15,9	17,9	19,9	22,9
0,6 / 0,6	kg/m <sup>2</sup>	14,7	15,7	17,7	19,7	21,7	24,7

**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



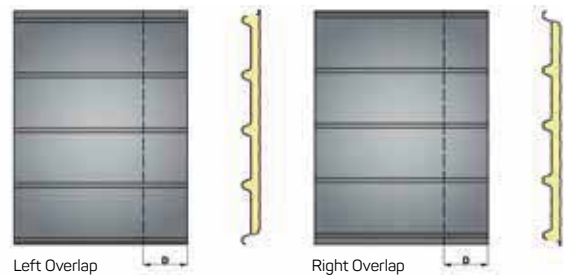
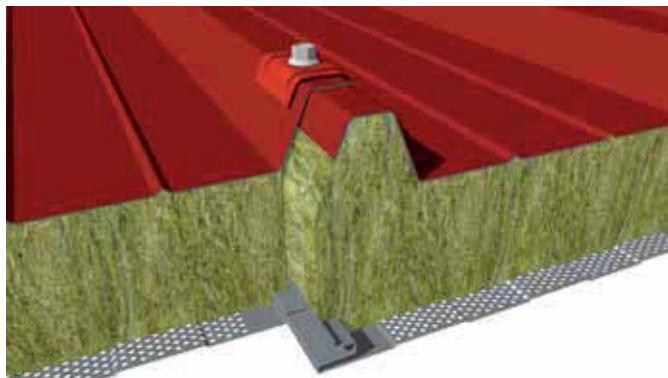
**FIRE AND ACOUSTICS PERFORMANCES**

On client's request, Isopan can provide Fire and Acoustic behaviour certificates. 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						
	50	60	80	100	120	150	
W/m <sup>2</sup> K	0,78	0,66	0,50	0,40	0,34	0,27	
kcal/m <sup>2</sup> h °C	0,67	0,57	0,43	0,34	0,29	0,23	



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