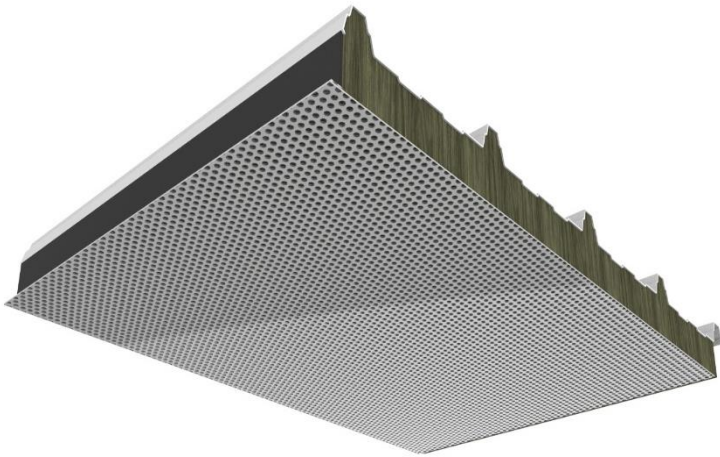


## DESCRIPTION





Acoustic roof panel with rock wool insulation core and micro-perforated bottom sheet **to favor sound absorption and avoid reverberations**. In addition, the external corrugation gives it greater mechanical resistance to external loads and forces.

The mineral fibers that make up its insulating core are alternated and compacted to **ensure maximum protection with a simple assembly**: the panel overlaps the frets of two adjoining panels to ensure maximum watertightness against leaks and humidity.

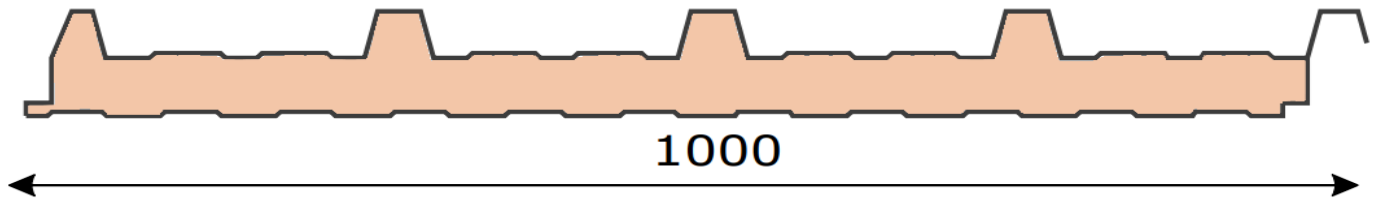
At galvanized and pre-lacquered special steels are used, which comply with the **EN 508-1 standard**, with PET, Plastisol, PVC, PVDF, PS50, PS55 and PS200 coatings, among others, according to customer requirements.



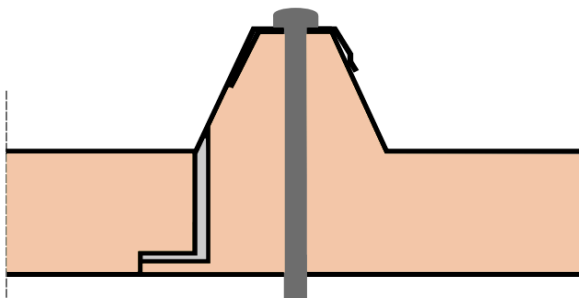
## TECHNICAL DATA OF THE ACOUSTIC ROCKWOOL ROOFING

Outer Side	Inner Side	Insulation	Thickness	Length	
Pre-lacquered steel	Micro-perforated steel	Rockwool (A2s1d0)	30 / 40 / 50 / 60 / 80 / 100 / 120 / 150 / 200	Up to 10 m	
Most common colours					
	White Pyrenees RAL 9010		Navarra Green RAL 6005		Red Tile RAL 3009
			Silver Metallic RAL 9006		

## CROSS SECTION OF THE ACOUSTIC ROCKWOOL ROOFING



## OVERLAP



## INSTALLATION

**We also guarantee a quick and very intuitive installation** by overlapping the last fret with the first of the next panel. Our Acoustic Rock Wool Panels are screwed onto all types of structures when installed, but we recommend you contact your sales representative to advise you on the best screws and finishes for the best complete assembly. We manufacture all the finishes and accessories to measure so that the useful life of the Acoustic Panel is very durable and avoids degradation.

## PHOTOS



See our range of sandwich panels and accessories on our website <https://sandwich-panel.net>

## TECHNICAL CHARACTERISTICS OF THE ACOUSTIC ROCKWOOL ROOFING

### • HIGH DENSITY

Thickness (mm)	Overload Kg/m <sup>2</sup>				
	80	100	120	150	200
30	2,13	1,66	1,53	1,49	1,00
40	2,80	2,20	2,00	1,90	1,65
50	3,20	2,80	2,55	2,25	2,00
60	3,30	2,95	2,70	2,40	2,15
80	4,60	4,05	3,50	3,02	2,25
100	5,61	4,83	4,06	3,15	2,50
120	5,80	5,00	4,20	3,90	3,50
150	6,29	5,61	5,44	4,59	3,90
200	8,50	7,50	6,00	5,20	4,30

Acoustic Performance		
Thickness (mm)	Rw (dB)	Ra (dB)
30	≥ 28	≥ 28
40	≥ 28	≥ 28
50	≥ 32	≥ 31,6
60	≥ 32	≥ 31,6
80	≥ 32	≥ 31,6
100	≥ 35	≥ 34,7
120	≥ 35	≥ 34,7
150	≥ 35	≥ 34,7
200	≥ 35	≥ 34,7

Dimensions, weights and thermal characteristics				
Thickness (mm)	Useful width (mm)	Max. Recommended length (m)	Weight (kg/m <sup>2</sup> )	Thermal transmittance coef. (W/m <sup>2</sup> K)
30	1.000	7,00	10,9	1,170
40	1.000	8,00	13,2	0,840
50	1.000	8,00	14,4	0,621
60	1.000	8,00	15,6	0,589
80	1.000	9,00	18,0	0,414
100	1.000	9,00	20,4	0,350
120	1.000	10,00	22,8	0,300
150	1.000	10,00	26,4	0,275
200	1.000	10,00	32,4	0,209

### • LOW DENSITY

Thickness (mm)	Overload Kg/m <sup>2</sup>				
	80	100	120	150	200
30	---	---	---	---	---
40	2,70	2,10	1,90	1,75	1,50
50	2,93	2,60	2,41	2,00	1,60
60	3,15	2,75	2,45	2,20	1,82
80	3,92	3,51	3,04	2,49	1,94
100	4,58	3,93	3,31	2,68	2,04
120	5,28	4,35	3,62	2,90	2,18
150	6,10	4,85	3,98	3,25	2,50
200	7,60	5,90	4,70	3,90	3,05

Acoustic Performance		
Thickness (mm)	Rw (dB)	Ra (dB)
30	---	---
40	≥ 28	≥ 28
50	≥ 31	≥ 30,6
60	≥ 31	≥ 30,6
80	≥ 33	≥ 32,3
100	≥ 35	≥ 34,7
120	≥ 35	≥ 34,7
150	≥ 35	≥ 34,7
200	≥ 35	≥ 34,7

Dimensions, weights and thermal characteristics				
Thickness (mm)	Useful width (mm)	Max. Recommended length (m)	Weight (kg/m <sup>2</sup> )	Thermal transmittance coef. (W/m <sup>2</sup> K)
30	---	---	---	---
40	1.000	8,00	12,0	0,840
50	1.000	8,00	12,9	0,621
60	1.000	8,00	13,8	0,589
80	1.000	9,00	15,6	0,414
100	1.000	9,00	17,4	0,350
120	1.000	10,00	19,2	0,300
150	1.000	10,00	21,9	0,275
200	1.000	10,00	26,4	0,209