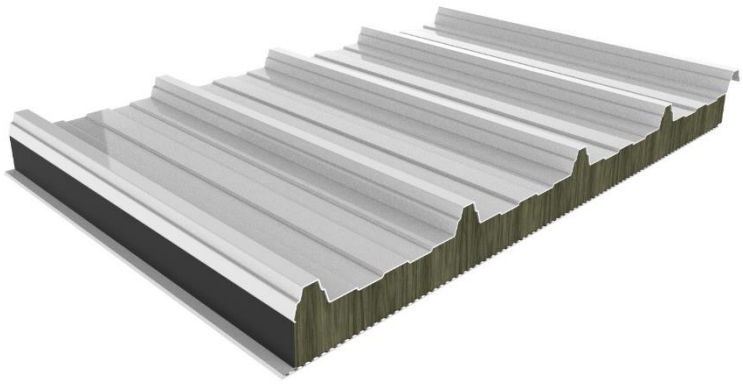
FIREPROOF ROCKWOOL ROOFING

GRUPO PANEL SANDWICH



DESCRIPTION

Fireproof roof panel with rock wool insulating core to ensure **excellent protection against fire**, adjustable according to the thickness of the panel. In addition, the exterior frets gives it greater mechanical resistance against external loads and forces.

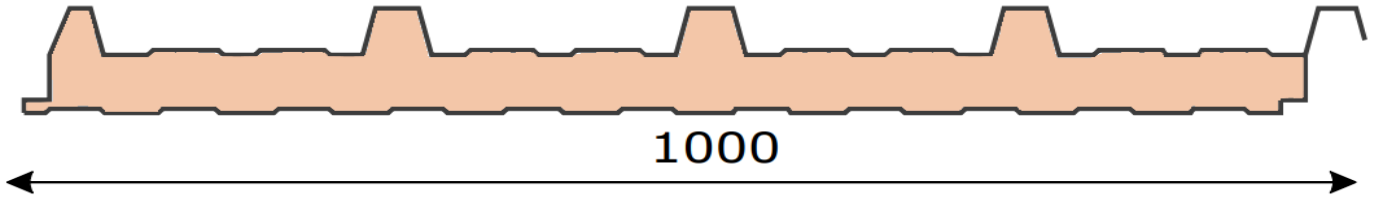
The mineral fibers that make up its insulating core alternate and compact to ensure maximum protection with a simple assembly: the panel overlaps in the frets of two contiguous panels to ensure **maximum tightness against leaks and damp**.

In its manufacture, special galvanized and pre-lacquered 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

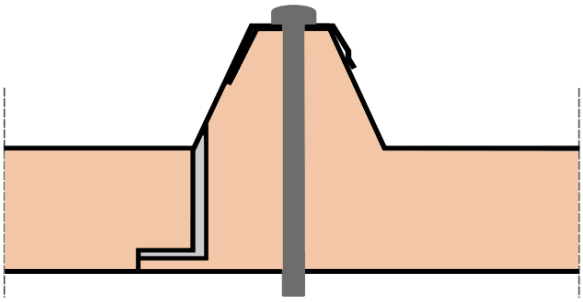
TECHNICAL DATA OF THE ACOUSTIC ROCKWOOL ROOFING

Outer Side	Inner Side	Insulation	Thickness	Length
Pre-lacqued steel	Pre-lacqued 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

The Fireproof Rock Wool Sandwich Panel has gained popularity, in recent years, due to **its quick and easy assembly process**. The fixation between one rockwool plate and the other is done by **overlapping and screwing directly to the structure** at the meeting between the two. In addition, we will provide the specific screws for all types of surfaces together with the special washer (cappelletti) with a neoprene gasket to prevent leaks**.**

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**

	Overload Kg/m²				
Thickness (mm)	80	100	120	150	200
30	3,40	2,90	2,60	2,21	1,80
40	3,60	3,10	2,85	2,35	1,80
50	3,96	3,42	2,98	2,50	1,92
60	4,40	3,75	3,10	2,80	2,25
80	5,76	5,16	4,48	3,66	2,77
100	6,60	5,68	4,76	3,88	2,94
120	7,50	6,10	5,15	4,41	3,12
150	8,90	7,48	6,50	5,05	4,08
200	9,40	8,30	7,05	6,00	5,20

Acoustic Performance		
Thickness (mm)	Rw (dB)	Ra (dbA)
30	≥ 28	≥ 28
40	≥ 28	≥ 28
50	≥33,0	≥32,5
60	≥ 33,0	≥ 32,5
80	≥ 33,0	≥ 32,5
100	≥ 33,0	≥ 32,5
120	≥ 33,0	≥ 32,5
150	≥ 33,0	≥ 32,5
200	≥ 33,0	≥ 32,5

Dimensions, weights and thermal characteristics					
Thickness (mm)	Useful width (mm)	Max. Recommended length (m)	Weight (kg/m²)	Thermal transmittance coef. (W/m²K)	Fire resistence
30	1.000	8,00	13,1	0,901	A2-s1-d0
40	1.000	8,00	14,3	0,840	A2-s1-d0
50	1.000	8,00	15,5	0,621	EI30
60	1.000	9,00	16,7	0,589	EI30
80	1.000	9,00	19,1	0,414	EI60
100	1.000	9,00	21,5	0,350	EI120
120	1.000	10,00	23,9	0,300	EI120
150	1.000	10,00	27,5	0,275	EI120
200	1.000	10,00	33,5	0,209	EI120

- **LOW DENSITY**

	Overload Kg/m²				
Thickness (mm)	80	100	120	150	200
30	---	---	---	---	---
40	3,15	2,50	1,85	1,25	1,00
50	3,25	2,90	2,65	2,20	1,40
60	3,40	3,00	2,75	2,35	1,50
80	4,10	3,80	3,50	3,11	2,35
100	5,60	5,05	3,80	3,30	2,50
120	6,00	5,30	4,00	3,50	2,70
150	6,30	5,80	5,45	4,60	3,00
200	7,50	6,50	5,80	5,10	3,00

Acoustic Performance		
Thickness (mm)	Rw (dB)	Ra (dbA)
30	---	---
40	≥ 31	≥ 30,5
50	≥ 31	≥ 30,5
60	≥ 31	≥ 30,5
80	≥ 31	≥ 30,5
100	≥ 31	≥ 30,5
120	≥ 31	≥ 30,5
150	≥ 31	≥ 30,5
200	≥ 31	≥ 30,5

Dimensions, weights and thermal characteristics					
Thickness (mm)	Useful width (mm)	Max. Recommended length (m)	Weight (kg/m²)	Thermal transmittance coef. (W/m²K)	Fire resistence
30	---	---	---	---	---
40	1.000	8,00	13,1	0,840	A2-s1-d0
50	1.000	8,00	14,4	0,621	EI30
60	1.000	9,00	14,9	0,589	EI30
80	1.000	9,00	17,3	0,414	EI30
100	1.000	9,00	19,2	0,350	EI30
120	1.000	10,00	20,3	0,300	EI30
150	1.000	10,00	23,0	0,275	EI30
200	1.000	10,00	27,5	0,209	EI30

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