



Cover Sandwich Panel 5 BORDERS ACOUSTIC: with high density ROCK WOOL core

Panel Description

The panels are made of two steel sheets adhered by an organic adhesive to the Rock Wool core. Steel sheets can range from 0.5mm to 1mm, with 0.5mm being the standard thickness for this type of panel. The coatings are applied depending on the use of the panel, the standard coating being polyester SP25. On request, panels are offered with other materials such as aluminum or stainless steel.

The Rock Wool core complies with the European standard EN 13162.

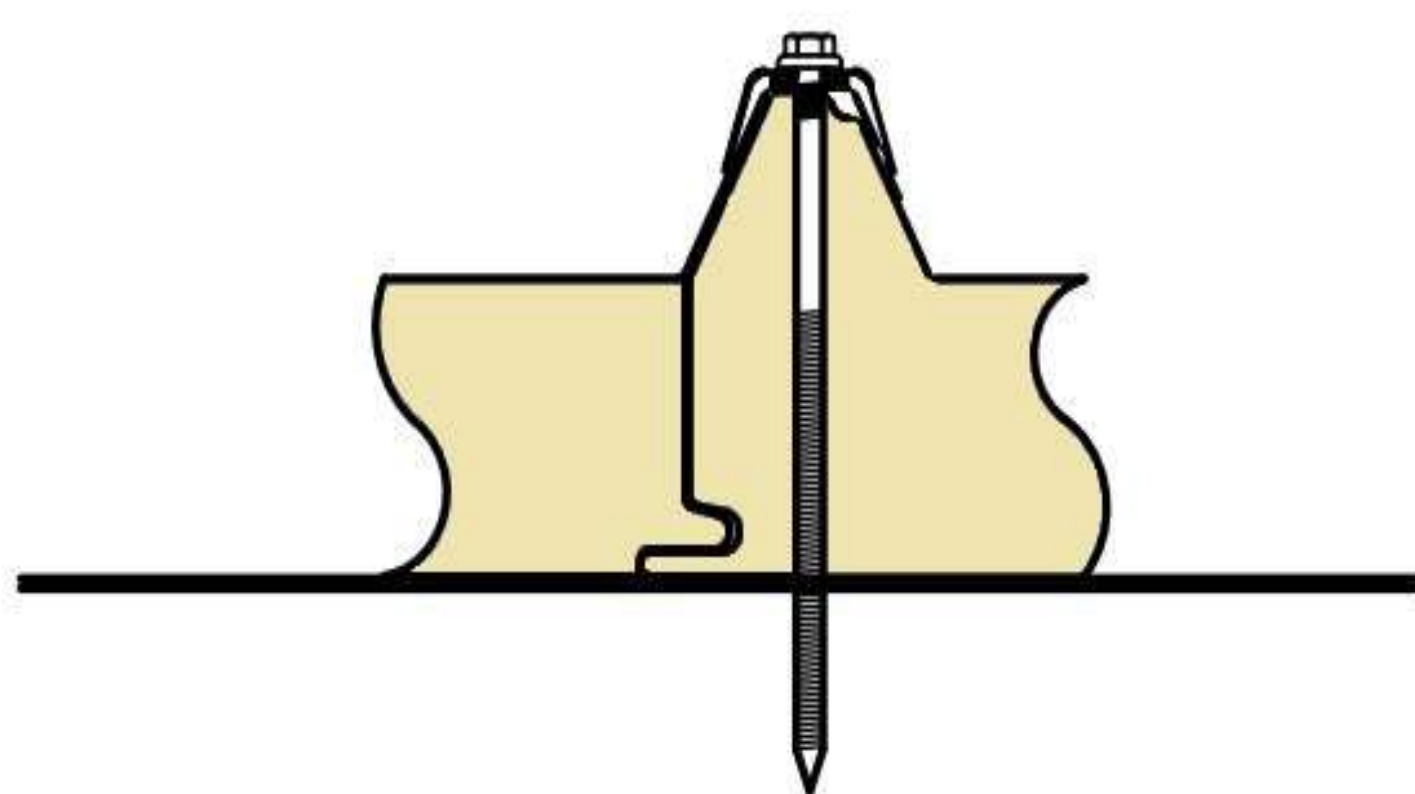
Classification against fire

Our rock wool core panels have a reaction to fire classification A2-s1-d0, according to standard EN 13501-1

Applications

- Heated premises.
- Interior acoustic shielding in industrial facilities.
- Manufacturing premises.
- Premises where high fire resistance is an essential requirement.
- Fireproof enclosures (garages, warehouses for dangerous substances ...)
- Buildings where the activity is changing or for rent.

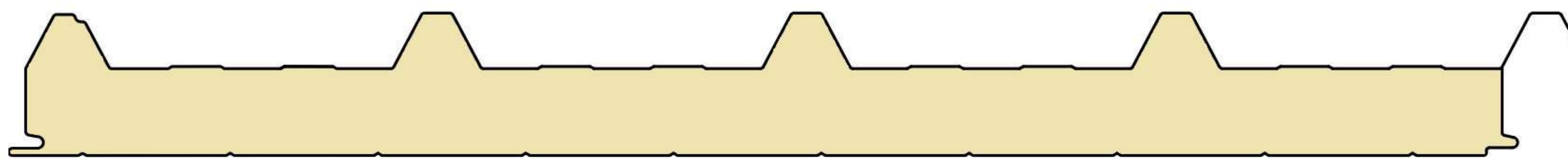
Panel Board



Acoustic Panel Detail



Profile and Panel Section



Useful Width
1.000mm

Technical specifications of the product

PANEL CUBIERTA ACÚSTICO LANA DE ROCA ALTA DENSIDAD									
Espesor (mm)	Ancho (mm)	Long. Máx. recomendada (m)	Tipo de núcleo	Peso kg/m ²	Coef. Trans. Térmica W/m ² K	Resistencia frente al fuego	Comportamiento acústico		
							Rw (dB)	RA (dBA)	α W
30	1.150	7	M	10,9	1,170	Propiedad no declarada	≥28	≥28	0,8
40	1.000	8	M	13,2	0,840	Propiedad no declarada	≥28	≥28	0,8
50	1.000	8	M	14,4	0,621	EI30	≥32	31,6	0,8
60	1.000	8	M	15,6	0,589	EI30	≥32	31,6	0,8
80	1.000	9	M	18	0,414	EI60	≥32	31,6	0,8
100	1.000	9	M	20,4	0,350	EI120	≥32	31,6	0,8
120	1.000	10	M	22,8	0,300	EI120	≥35	≥34,7	0,8
150	1.000	10	M	26,4	0,275	EI120	≥35	≥34,7	0,8
200	1.000	10	M	32,4	0,209	EI120	≥35	≥34,7	0,8

Bi-supported panel overload table:

PANEL CUBIERTA ACÚSTICO LANA DE ROCA ALTA DENSIDAD						
Propiedades mecánicas a la flexión. Tabla sobrecarga de panel biapoyado						
Espesor (mm)	Sobrecarga kg/m ²	80	100	120	150	200
30	Luz (m)	2,13	1,66	1,53	1,49	1,00
40	Luz (m)	2,80	2,20	2,00	1,90	1,65
50	Luz (m)	3,20	2,80	2,55	2,25	2,00
60	Luz (m)	3,30	2,95	2,70	2,40	2,15
80	Luz (m)	4,60	4,05	3,50	3,02	2,25
100	Luz (m)	5,61	4,83	4,06	3,15	2,50
120	Luz (m)	5,80	5,00	4,20	3,90	3,50
150	Luz (m)	6,29	5,61	5,44	4,59	3,90
200	Luz (m)	8,50	7,50	6,00	5,20	4,30

Flecha L/200. Coeficiente de seguridad: 2,5

Useful limit temperature: applications from -5°C to + 180°C

Not Hydrophilic.

Acoustic System: the interior face of the panel has 3mm diameter microperforations. A fiberglass veil is placed between the perforated face and the rock wool core to improve noise absorption. As an option, and upon request, acoustic panels with 5mm perforations can be manufactured to improve acoustic absorption.

Standard colors: other colors, ask and on request

Cara Exterior	Color	Cara Interior	Color
Blanco Pirineo		Blanco Pirineo	
Verde Navarra		Blanco Pirineo	
Crema Bidasoa		Blanco Pirineo	
Rojo Teja		Blanco Pirineo	
Gris Perla		Blanco Pirineo	
Silver Metalic RAL 9006		Blanco Pirineo	



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