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dippanel

Tongue-grounded Sectorization Panel

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.

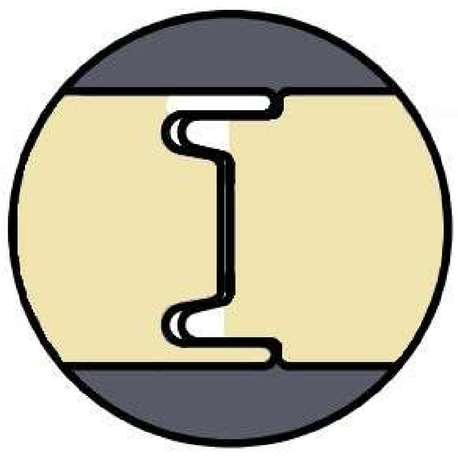
Classification against fire

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

Applications

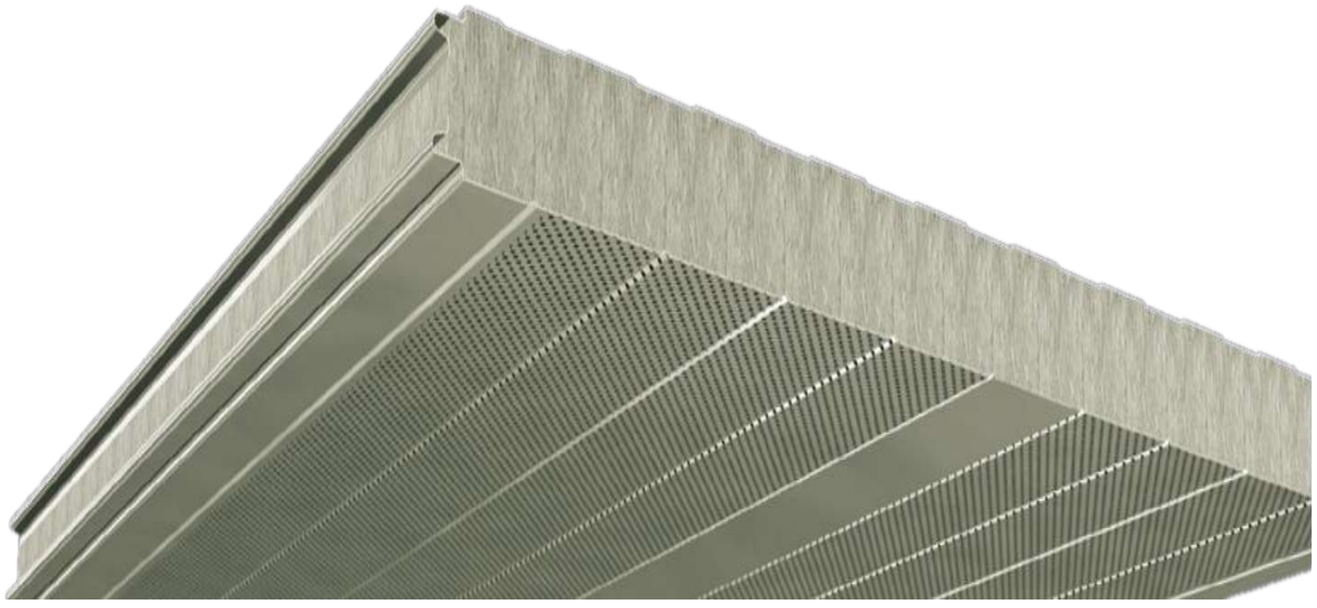
- Heated premises.
- Interior acoustic shielding in industrial facilities.
- Manufacturing premises.
- Premises where high fire resistance is an essential requirement.
- Fireproof enclosures (garages, warehouses for dangerous substances ...)
- Buildings where the activity is changing or for rent.

Panel Board



La junta machihembrada permite un fácil montaje y unos acabados muy finos que permiten jugar con el diseño de las fachadas

Panel detail



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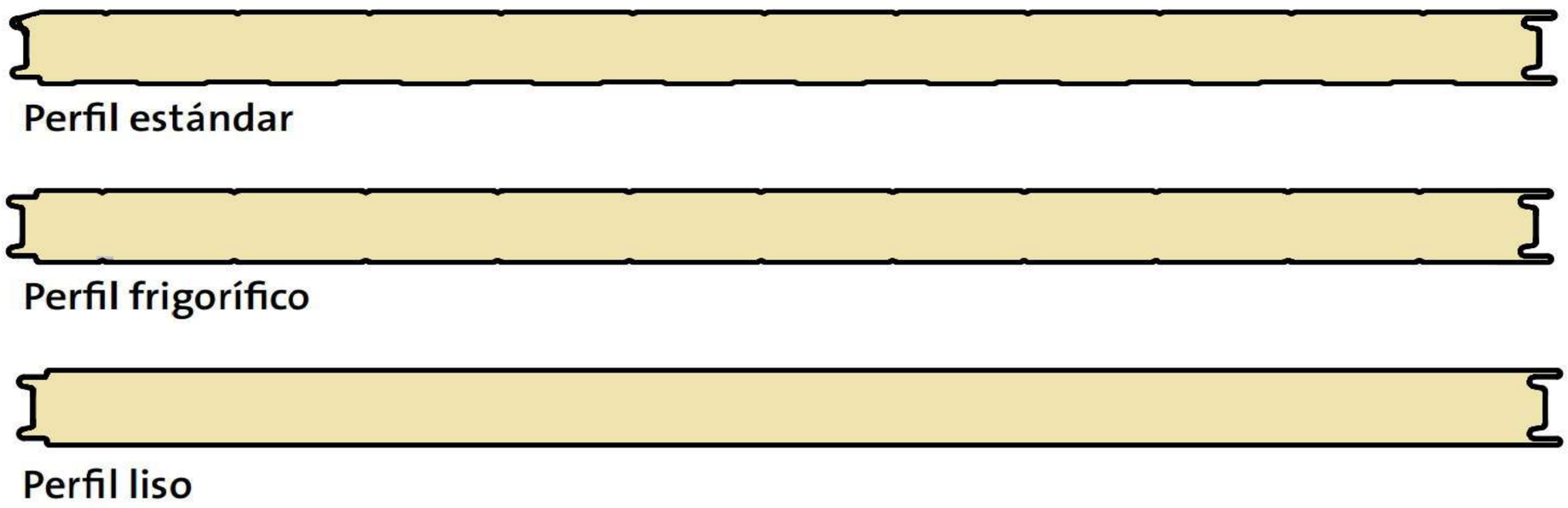
Perfil y Sección del Panel

Ancho Útil 1.150mm



Especificaciones técnicas del producto

PANEL SECTORIZACION ACÚSTICO LANA DE ROCA ALTA DENSIDAD									
Espesor (mm)	Ancho (mm)	Long. Máx. recomendada (m)	Tipo de núcleo	Peso kg/m2	Coef. Trans. Térmica W/m2K	Resistencia frente al fuego	Comportamiento acústico		
							Rw (dB)	RA (dBA)	α W
50	1.150	8,5	M	13,9	0,690	EI30	35	34,4	0,85
60	1.150	8,5	M	14,6	0,592	EI60	≥35	≥34,4	0,85
80	1.150	10	M	17	0,455	EI90	36	35,1	0,9
100	1.150	11	M	19,4	0,370	EI120	37	36,1	0,85
120	1.150	12	M	21,8	0,308	EI240	≥37	≥36,1	0,85
150	1.150	12	M	25,4	0,253	EI240	≥37	≥36,1	0,85
200	1.150	12	M	31,4	0,192	EI240	≥37	≥36,1	0,85

Bi-supported panel overload table:

PANEL SECTORIZACION ACÚSTICO LANA DE ROCA ALTA DENSIDAD								
Propiedades mecánicas a la flexión. Tabla sobrecarga de panel biapoyado								
Espesor (mm)	Sobrecarga kg/m2	30	60	80	100	120	150	200
50	Luz (m)	4,21	2,64	2,26	2,15	1,98	1,86	1,30
60	Luz (m)	4,46	2,94	2,71	2,54	2,43	2,01	1,41
80	Luz (m)	5,48	3,49	3,05	2,85	2,62	2,25	1,53
100	Luz (m)	6,63	4,07	3,42	3,15	2,86	2,45	1,70
120	Luz (m)	7,80	4,63	3,84	3,45	3,11	2,71	1,92
150	Luz (m)	8,76	5,54	4,63	4,07	3,73	2,99	2,15
200	Luz (m)	10,40	7,23	5,93	5,23	4,55	3,59	2,37
Flecha L/200. Coeficiente de seguridad: 2,5								

Useful limit temperature: applications from -5ºC to + 180ºC

Not Hydrophilic.

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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