



Tongue-grounded Sectorization Panel Acoustic: with low 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.

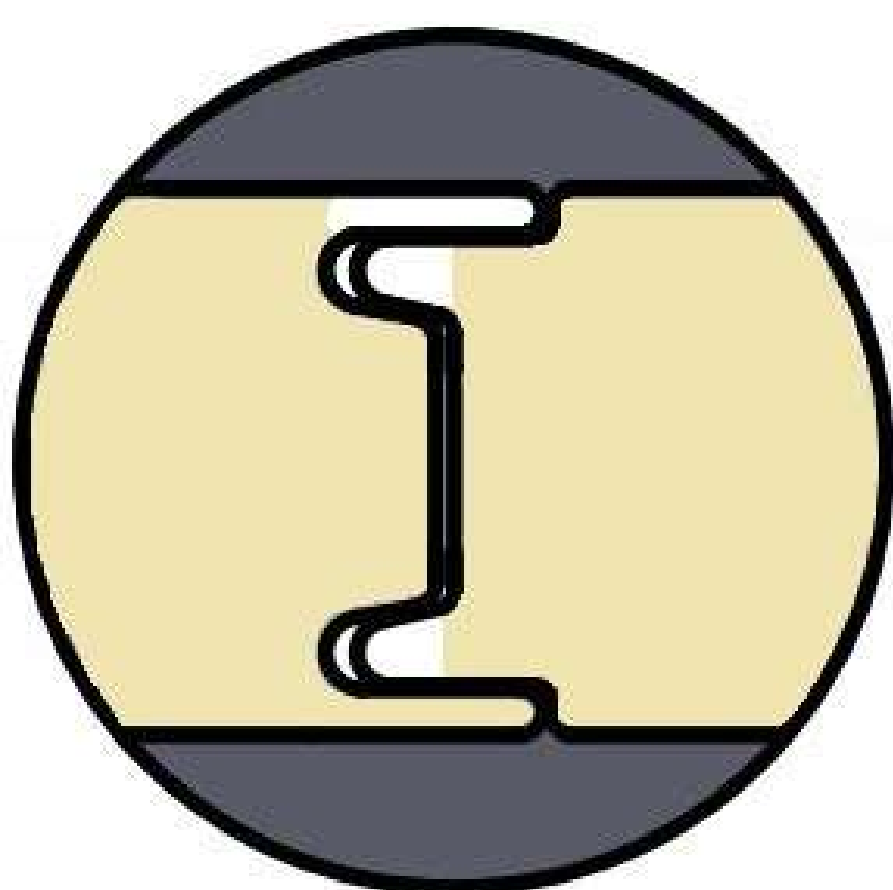
Classification against fire

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



The tongue and groove joint allows easy assembly and very fine finishes that allow you to play with the design of the facades

Panel Detail



Profile and Panel Section

Useful Width
1.150mm



Perfil estándar



Perfil frigorífico



Perfil liso

Technical specifications of the product

| PANEL SECTORIZACION ACÚSTICO LANA DE ROCA BAJA 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 |
| 50 | 1.150 | 7 | L | 13,25 | 0,690 | Propiedad no declarada | 31 | 30,6 | 0,9 |
| 60 | 1.150 | 7 | L | 12,8 | 0,592 | Propiedad no declarada | 31 | 30,6 | 0,9 |
| 80 | 1.150 | 9 | L | 14,6 | 0,455 | Propiedad no declarada | 34 | 34,2 | 0,85 |
| 100 | 1.150 | 10 | L | 16,4 | 0,370 | Propiedad no declarada | ≥34 | ≥34,2 | 0,85 |
| 120 | 1.150 | 11 | L | 18,2 | 0,308 | Propiedad no declarada | ≥34 | ≥34,2 | 0,85 |
| 150 | 1.150 | 12 | L | 20,9 | 0,253 | Propiedad no declarada | ≥34 | ≥34,2 | 0,85 |
| 200 | 1.150 | 12 | L | 25,4 | 0,192 | Propiedad no declarada | ≥34 | ≥34,2 | 0,85 |

Bi-supported panel overload table:

| PANEL SECTORIZACION ACÚSTICO LANA DE ROCA BAJA DENSIDAD | | | | | | | | | |
|---|------------------------------|------|------|------|------|------|------|------|--|
| Propiedades mecánicas a la flexión. Tabla sobrecarga de panel biapoyado | | | | | | | | | |
| Espesor (mm) | Sobrecarga kg/m ² | 30 | 60 | 80 | 100 | 120 | 150 | 200 | |
| 50 | Luz (m) | 3,73 | 2,34 | 2,00 | 1,90 | 1,75 | 1,65 | 1,15 | |
| 60 | Luz (m) | 3,95 | 2,60 | 2,40 | 2,25 | 2,15 | 1,78 | 1,25 | |
| 80 | Luz (m) | 4,85 | 3,09 | 2,70 | 2,52 | 2,32 | 1,99 | 1,35 | |
| 100 | Luz (m) | 5,87 | 3,60 | 3,03 | 2,79 | 2,53 | 2,17 | 1,50 | |
| 120 | Luz (m) | 6,90 | 4,10 | 3,40 | 3,05 | 2,75 | 2,40 | 1,70 | |
| 150 | Luz (m) | 7,75 | 4,90 | 4,10 | 3,60 | 3,30 | 2,65 | 1,90 | |
| 200 | Luz (m) | 9,20 | 6,40 | 5,25 | 4,63 | 4,03 | 3,18 | 2,10 | |

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

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

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 Metallic RAL 9006 | | Blanco Pirineo | |

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