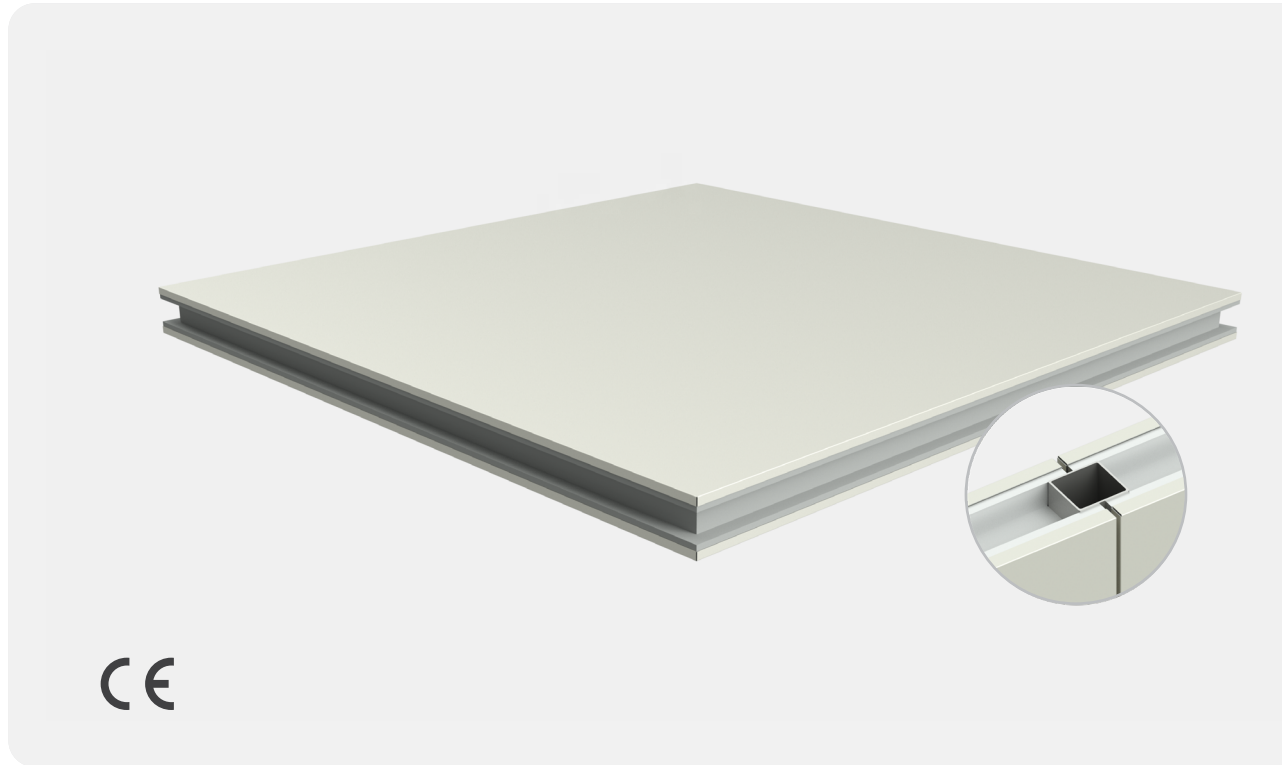


Panel-Lab Roc Alu

Mineral wool core panel
for white rooms



The mineral wool core of the Panel-Lab Roc Alu insulating panel provides high compressive strength, excellent thermal and acoustic insulation, and outstanding durability.

- The high performance of Panel-Lab Roc Alu, such as its rigidity, strength and durability, makes it an ideal panel for the construction of walls and ceilings in clean rooms.



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Panel-Lab Roc Alu

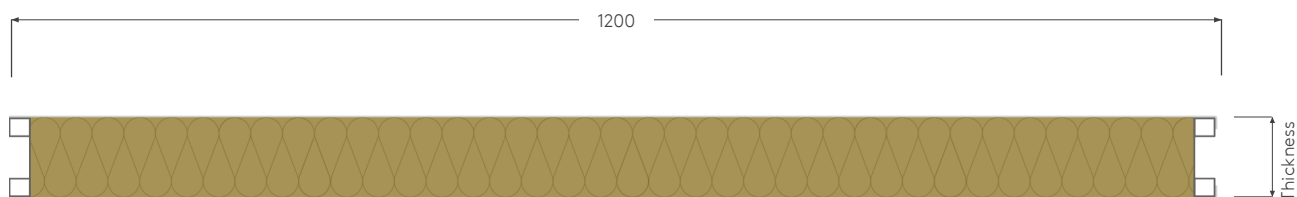


Description and applications

- Sandwich panel with mineral wool core, with two possible densities, and steel faces between 0.5 mm and 0.6 mm.
- Wide range of highly durable coatings, adapted to the environment in which the panel will be installed.
- The panel, which incorporates an aluminium framing profile, has been designed for the construction of walls, ceilings and partitions in clean rooms, laboratories, research centres, the pharmaceutical sector, etc.



Technical features



| | | | | | |
|---|----------------|---|-------|-------|-------|
| Useful width | | 1.200 mm | | | |
| Manufacturing length ⁽¹⁾ | | 0.5 to 4.1 m | | | |
| Core density | | Mineral wool LD: 130 kg/m ³ Mineral wool HD: 150 kg/m ³ | | | |
| Panel thickness (mm) | | 40 | 50 | 60 | 80 |
| Self-weight ⁽²⁾ (kg/ml) | LD Core | 16,92 | 18,38 | 20,05 | 23,45 |
| | HD Core | 17,82 | 19,52 | 21,43 | 25,29 |
| Thermal transmittance ⁽³⁾ (W/m².K) | LD Core | 0,85 | 0,70 | 0,59 | 0,46 |
| | HD Core | 0,89 | 0,73 | 0,62 | 0,48 |

(1) Non-standard measurements available upon request.

(2) Considering 0.5 mm thick sheets and aluminium trim on two edges.

(3) Obtained by simplified method for the calculation of the thermal transmittance of a panel, considering 0.5 mm thick sheets.

Panel-Lab Roc Alu



Certifications and applicable regulations

Reaction-to-fire classification

- The Panel-Lab Roc Alu panel has the reaction to fire classification A2 - s1, d0 according to EN 13501-1:2018 (Euroclasses).

Product certifications

- CE mark according to EN 14509:2013.



Implementing regulations raw material

- Hot-dip galvanised sheet metal according to EN 10346 and organic coatings according to EN 10169.

Components

Insulating core

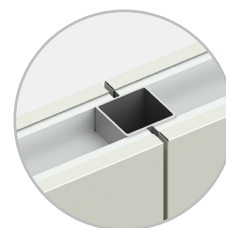
- Mineral wool with density 130 kg/m² (LD) or 150 kg/m² (HD).

Panel facing

- Cold-formed sheet from steel coil, sheet thicknesses between 0.5 mm and 0.6 mm.

Gasket joint

- Gasket joint, with an aluminium profile, which allows the wall or ceiling support profiles to be placed inside.



Finishes

Profiling option

- Flat finish.

Coatings

- PS 25 microns, HDX 55 microns, PET 50 microns.



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