



CELENIT GROOVE

Technical data sheet



Thermal and acoustic insulation board, consisting of mineralized fir wood wool bound with white Portland cement, characterized by a surface processing consisting of parallel milling.

Texture choice:

- CELENIT GROOVE ABE, extra-thin texture 1 mm;
- CELENIT GROOVE AB, thin texture 2 mm.

High quality boards for design acoustic absorption systems.

It complies with EN 13168 and EN 13964 standards.

The boards are certified by ANAB-ICEA and natureplus for eco-compatibility of materials and manufacturing process.

CELENIT GROOVE is PEFC™ certified. Also available with FSC® certification.

Edges detail

FR

Colours

natural or painted

Applications

false ceilings, wall coverings, design solutions

Technical data

| | |
|-------------------------------|---|
| Length x Width [mm] | 1200x600 |
| Thickness [mm] | 25 35 |
| Weight [kg/m ²] | 12.0 16.3 |
| Reaction to fire ¹ | Euroclass B-s1, d0 (also available in Euroclass A2-s1, d0) |
| Sound absorption | α_w up to 1.00 - NRC up to 0.95 |
| Light reflection [%] | 50.7 (Nature - white cement) - 74.0 (painted white 05/15) - 31.2 (Nature - grey cement) |
| Release of formaldehyde | Class E1 |
| Release of asbestos | it does not contain asbestos |

¹ The reaction to fire does not change for painted products

Texture



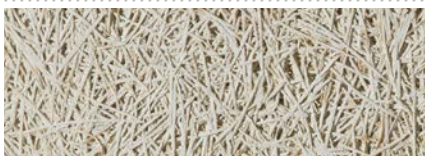
CELENIT GROOVE ABE - 1 mm
Extra-thin texture



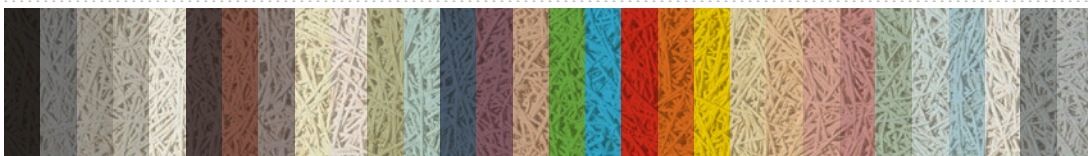
CELENIT GROOVE AB - 2 mm
Thin texture

Colors

CELENIT GROOVE can be supplied in the Nature version, without painting, or colored by choosing from the CELENIT standard color ranges or from the various RAL and NCS shades.



Nature, without painting

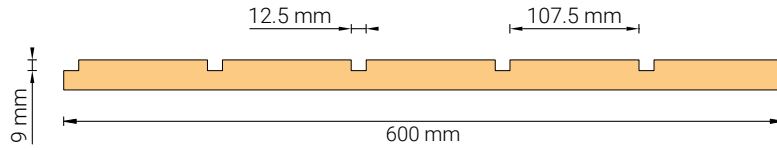


CELENIT color ranges





Technical detail



Application: screwed panels

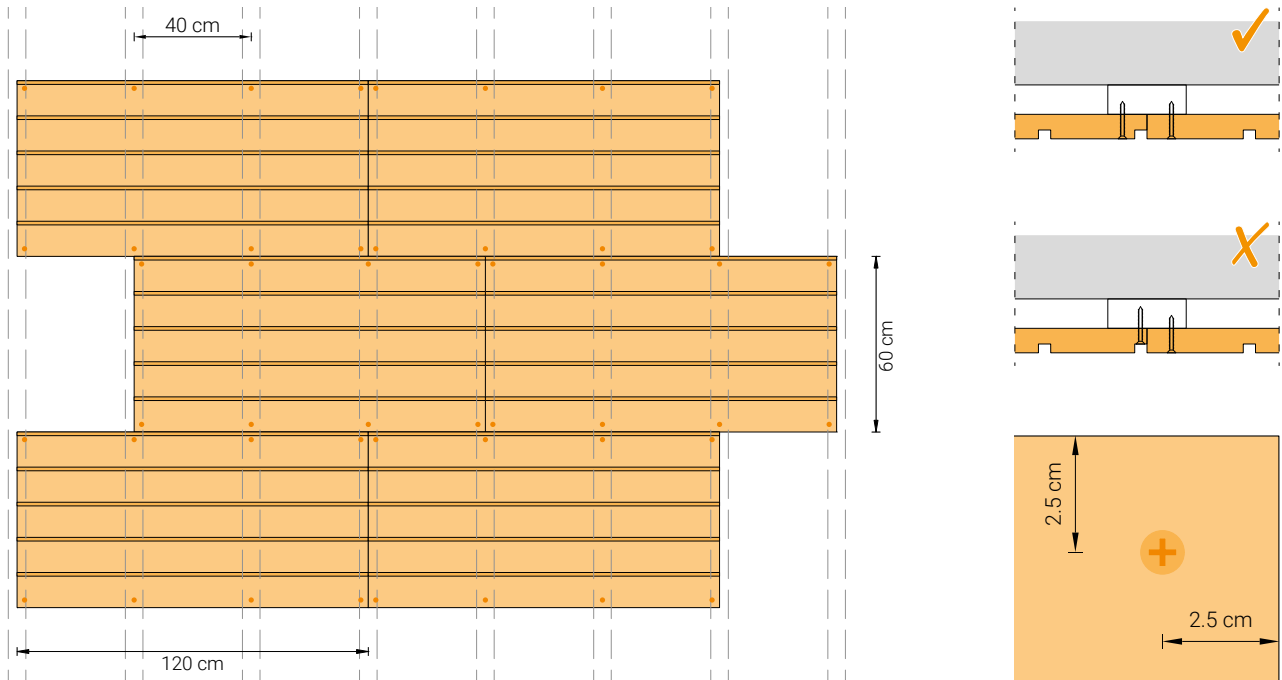
The panels can be screwed onto a hidden metal structure or on wooden laths. It is also possible to apply the panels directly to the ceiling/wall with suitable fixings.

! Installation instructions, spacing between the structures, accessories and fixing schemes are shown in the installation guide available in the download area of the site www.celenit.com.

GENERAL INSTALLATION INSTRUCTIONS

• Fix the panels at the maximum thickness, with a distance of about 2.5 cm from the edges. Avoid fixing at the milling.

- Fix the boards to the structure according to fixing schemes. Take maximum care while handling the panels. Corners and paint are easy to damage. Use clean gloves when installing the panels. Please find more information on stocking, use and maintenance at www.celenit.com.
- We recommend staggered laying on the short side to ensure a nicer visual effect.
- After the installation please follow the recommendations in the section "Storage, use and maintenance" at www.celenit.com.



| Board thickness [mm] | Dimensions [mm] | Screws per board [No.] | Screws per m ² [No./m ²] | Screw dimensions* [mm] |
|----------------------|-----------------|------------------------|---|------------------------|
| 25 | 1200x600 | 8 | 11.2 | 45 |
| 35 | 1200x600 | 8 | 11.2 | 55 |

* for direct installation to the ceiling/wall, follow the fixing instructions in the specific installation data sheet



Storage, use and maintenance

The boards must be stored on a pallet placed on a flat surface, protected from rain and direct sunlight. Pallets must be handled with care on site. Bumping the corners of the pallets can cause damage to the boards. For more information see the "Storage, use and maintenance" information available in the download area of the website www.celenit.com.



CELENIT boards are dimensionally stable (EN 13168), however, they must be installed after acclimating to the same room they are going to be installed in, as well as after all concrete works are finished and the doors, windows, heating and ventilation systems have been installed. Room temperature must be kept constant before and after installation. Do not suddenly change the temperature of the room after installation.

The boards have one side that should be visible (front of the board) and another side that should be placed against the structure (back of the board). The back of the board usually has the CELENIT logo or shows calibration marks. The front may be painted and/or has worked edges. In the absence of paint or edges, the front can be identified according to the pallet layout: the front of the boards faces the top and the back faces the pallet.

Due to their natural production process and raw materials, boards that are not painted may have an uneven color. The boards must be painted to have an even color.