

Technical datasheet

Vario – 21 mm – INVISIBLE



Size	<i>Panel</i>
LENGTH	2700mm
WIDTH	520mm
TOTAL THICKNESS	21mm

Product Description

Variant of the standard acoustic wooden wall panel, the VARIO. This panel combines a grey felt backing with wooden slats in different widths. Easy to install and to maintain, sustainable and magnificent acoustic results!

Colors

This acoustic panels is available in following colors:



Materials

The slats are made of 12mm natural MDF-boards, with environmental class E0. The MDF is finished with oak veneer. Slats are 25, 35 of 45mm wide, with 13mm space between them. The slats are fixed on a base of grey acoustic felt. This base is 9mm thick and 50% made of recycled materials.

Maintenance

The panels can be easily cleaned with a duster or a hard-wrung towel. Do not rub, as not to damage the surface. Caution: Always test on a small area before treating the entire surface.

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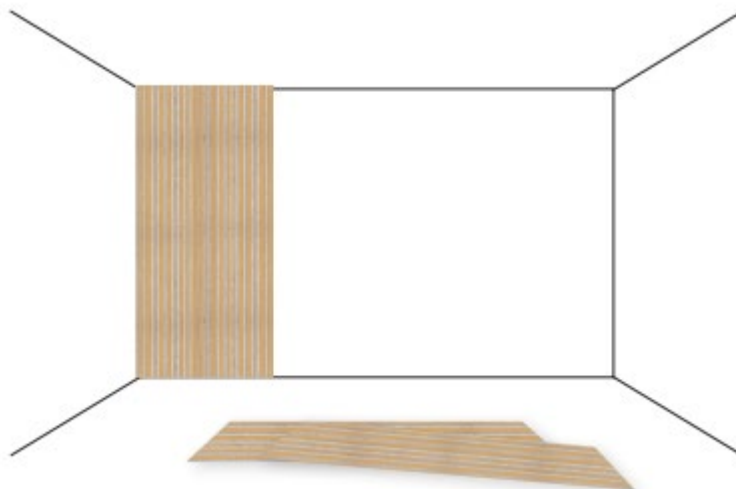
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Installation

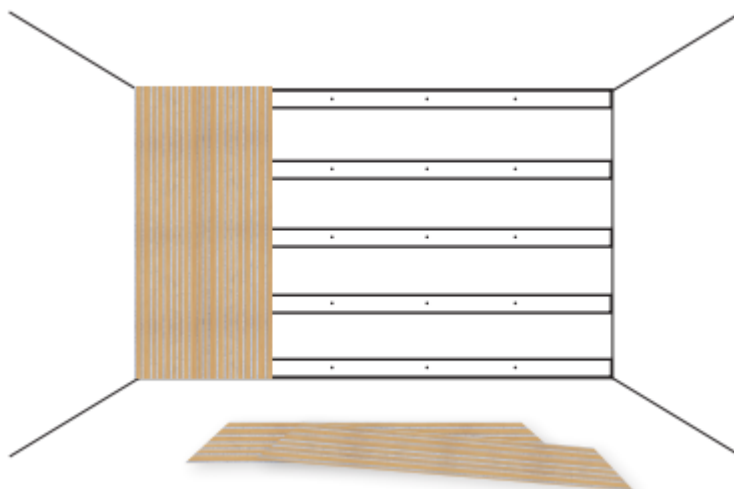
For more information, we refer to our installation guide. A recap is given here below, showing you three different options. Be sure to check the Acoustics section in this technical datasheet, as the chosen installation method will influence the acoustic performance. A framework and insulation contribute remarkably to higher sound absorption values.

Installation methods:

1. Direct gluing against the wall (wall must be flat, clean and dustfree), with MS polymer-based adhesive.



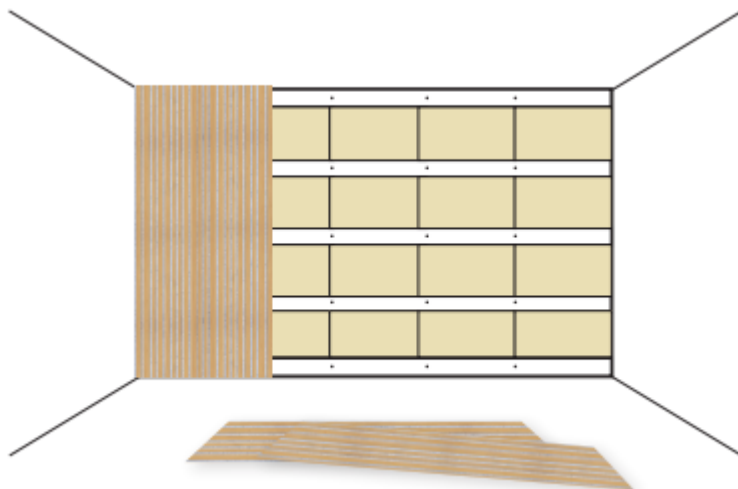
2. Mounting the panels on underlying battens (50mm thick, 60cm between the battens) with black screws.



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3. Same installation 2, but mineral wool (same thickness as battens) is placed between the battens.

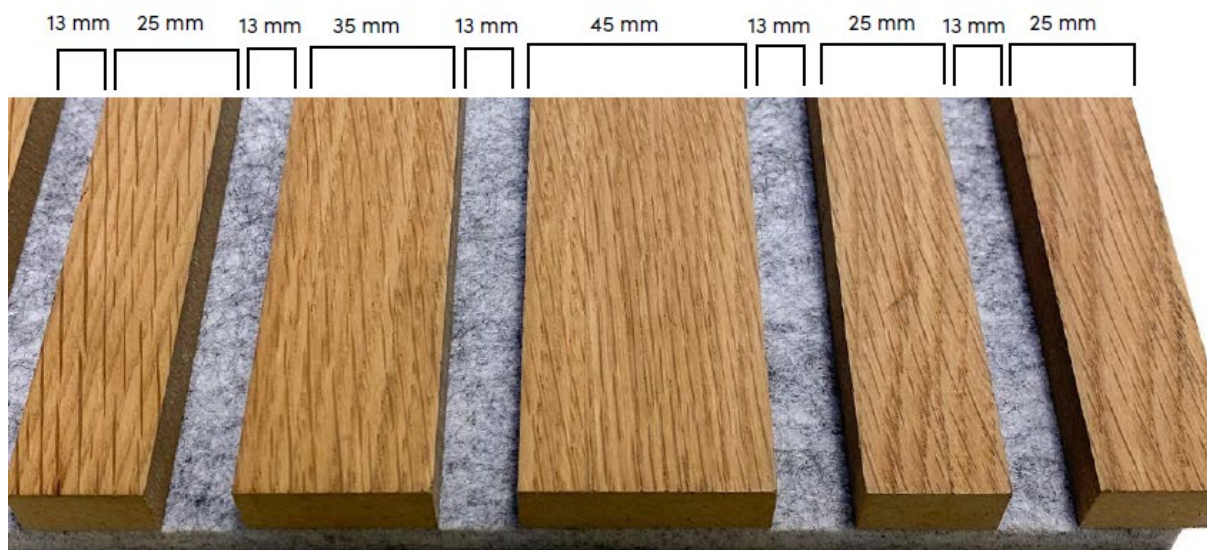


Overview technical specifications

MODEL	Wooden slat wall panel
PANEL SIZE	Length: 2700mm – Width: 520mm – Thickness: 21mm
MATERIALS	12mm MDF + 9mm polyester
PANEL DESIGN	Single slat (width 25/35/45mm), placed every 13mm on PET panel (see image below)
FINISH	Oak veneer (0,6mm + lacquer finishing)
FIRE RATING	Class D-s3,d2 (according to EN13501-1)
DURABILITY	PET panel made of recycled materials FSC certified

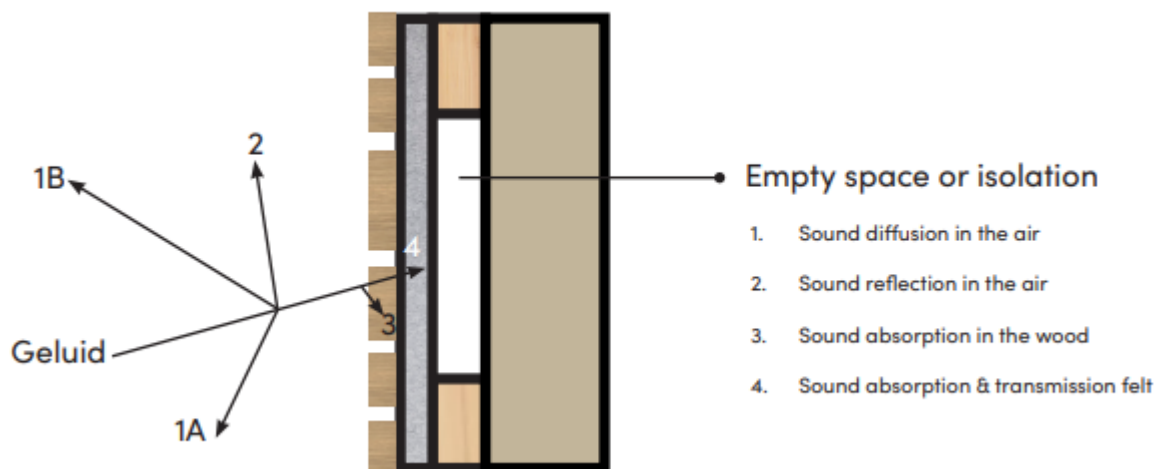
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Acoustics

Glass, concrete, steel,... are hard materials that make the sounds reflect and give your room bad acoustics. The best way to reduce the reverberation* in a room, is to counterweight the hard materials with absorption materials, such as our wooden panels.



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The Tocca Legno acoustic panels have been tested in a certified laboratory, to measure the sound absorption according to ISO354. The test results show that our panels improve the acoustics significantly.

INSTALLATION METHOD	α_w	Class
1. Direct gluing	0,30	D
2. Framework airgap 50mm	0,65	C
3. Framework airgap 50mm + isolation	0,90	A



* En acoustique, la réverbération est la persistance du son ou de l'écho après la production d'un son.