



BOTNIA
PANELS

by Rotola-Pukkila

*High-quality slatted panels for
indoor and outdoor use*

Finnish craftsmanship



60 YEARS OF EXPERIENCE PROVIDING LUXURY WOOD PRODUCTS

We are Rotola-Pukkila, a Finnish family business located in Western Finland. It's not the easiest name, we know – it's our family surname. Our parents started the business in 1965 manufacturing veneered furniture, and production still takes place in the same factory. A generational change took place in 2002, and today we three brothers – Mikko, Pauli and Hannu – run the business.

In 2014, we began producing interior panels alongside furniture manufacturing. **Botnia Panels** is our product line focusing on indoor, outdoor and acoustic panels. It came to life when Pauli was renovating his house and couldn't find suitable panels on the market, so he decided to make them himself. Now, after ten years of development and refinement, the products have reached their current form.

We're glad you've found us, welcome aboard and be a part of our story!

Mikko, Pauli, Hannu and the Botnia Panels team

Our outdoor panels are suitable for lower terrace ceilings. They are made of high-pressure laminate (HPL). The surface of the panel has an oak decor, which matches the veneer used in our interior panels.

**HIGH-QUALITY.
SUSTAINABLE.
VERSATILE IN APPLICATION.**

- ✓ Affordable luxury
- ✓ Panels for indoor and outdoor use
- ✓ Moisture-resistant version available
- ✓ Improved acoustics
- ✓ Easy installation with tongue-and-groove joints
- ✓ Nordic design
- ✓ Made in Finland
- ✓ Made from FSC® certified wood
- ✓ Scent-free

Slatted panels not only improve the sound quality of a room and thus the quality of living, but also enhance the room's aesthetic appeal.



A coherent look from inside to outside.

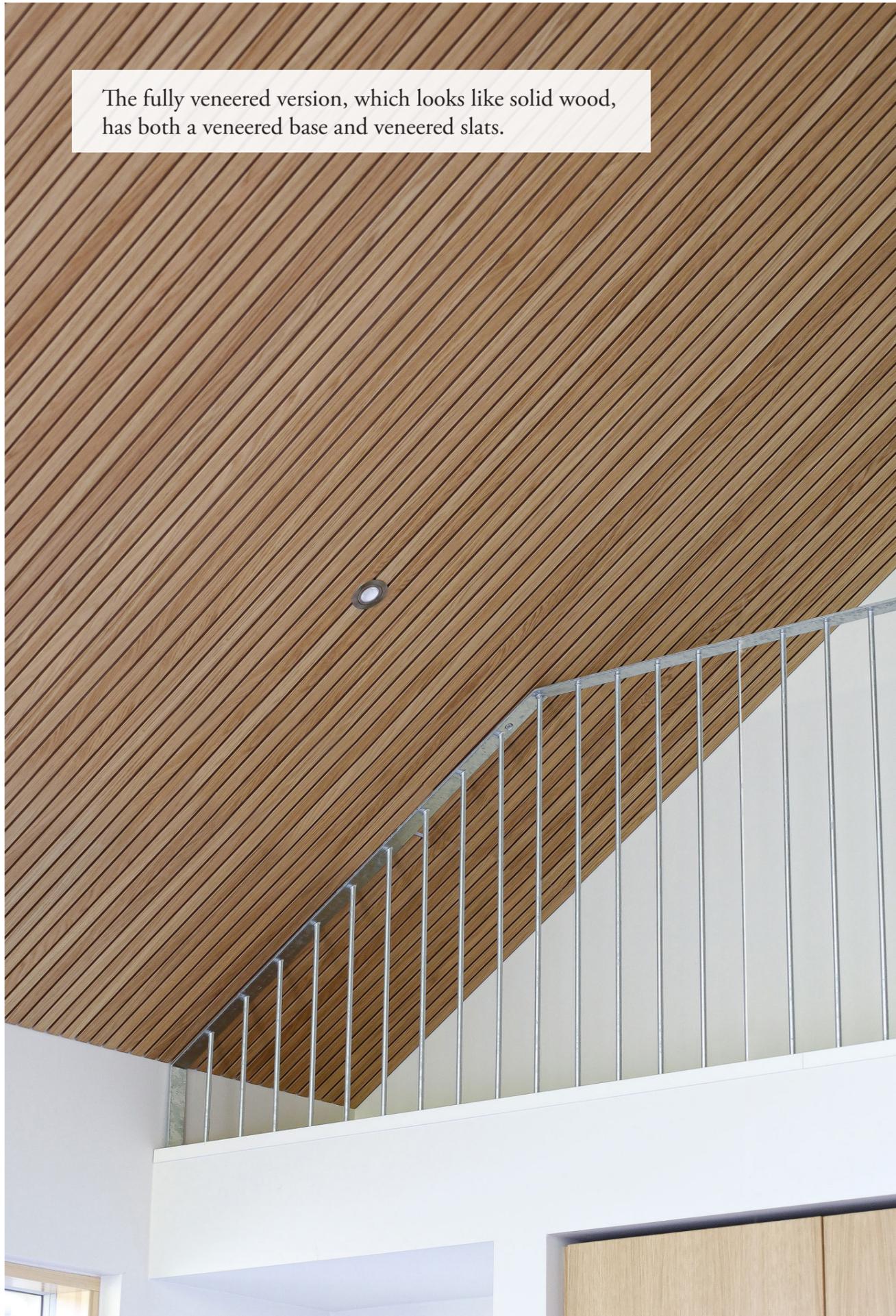
Due to their robust construction and tongue-and-groove joints, our panels are especially well suited for ceiling installation.

The oak finish of our panels brings a sense of warmth and ambiance to any room.

Tip! Installing a ceiling panel is an easy way to get an essential part of a room's acoustics right, already at the construction stage.



The fully veneered version, which looks like solid wood, has both a veneered base and veneered slats.





The base and slats of our wet room panels are made of high-pressure laminate (HPL). They are intended for bathroom ceilings.



ACOUSTIC PANELS

Our acoustic panels have 40 **holes** milled into them. In addition, an **acoustic fabric** is used on both sides of the panel's base board.

The acoustic properties are a combination of sound absorption and diffusion: the acoustic fabric absorbs sound, while the design of the slats disperses sound reflections.

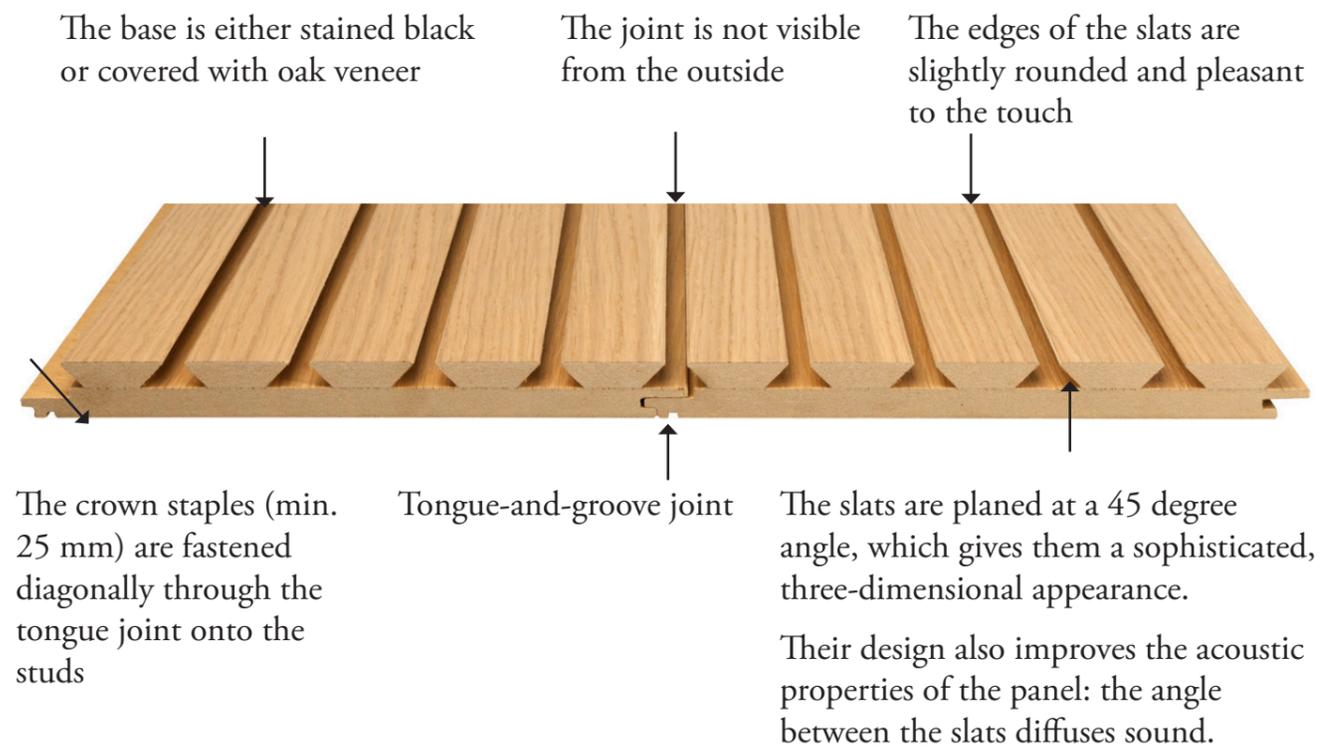
Our acoustic panels are classified as sound absorption class C, "**highly absorbent**" (ISO 11654). In class C, 60-75% of the energy carried by sound waves is absorbed and the rest is reflected.

Our slatted and acoustic panels look identical. They differ in their base materials and sound absorption classes. Our slatted panels belong to sound absorption class E.



Videos

THE STRUCTURE OF THE PANEL



Screws are included in the delivery, crown staples need to be purchased separately.

INSTALLATION

• Indoor ceiling:

If needed, install studs with 400 mm intervals.

- 1) The panels with a black base are fastened with black screws between the slats onto the stud.
- 2) The panels with a veneered base are fastened with crown staples onto the stud. The crown staple should enter diagonally into the tongue side of the joint. Make sure that the staple is under the groove side of the joint, i.e. covered by the next panel. Construction adhesive can also be used in addition to crown staples to strengthen the fastening.

• Indoor wall:

- 1) The panels can be installed directly onto the wall, without studs, if the wall is made of a wood-based material. Black-based panels are installed with black screws, and veneered panels with crown staples.
- 2) For other wall materials, install studs with 600 mm intervals. Panels with a black base are fastened with black screws between the slats onto the studs. Panels with a veneered base are fastened with crown staples onto the studs. The crown staple should enter diagonally into the tongue side of the joint. Make sure that the staple is under the groove side of the joint, i.e. covered by the next panel.
- 3) In some cases (e.g. concrete walls), the panels can also be secured directly onto the wall with construction adhesive.

• Bathroom and outdoor ceiling:

The panels are fastened with black screws between the slats onto the stud. Drill holes for the screws first, then fasten the screws.



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