



Nüsing Acoustic Boards –
sound perfection



An experience of sound

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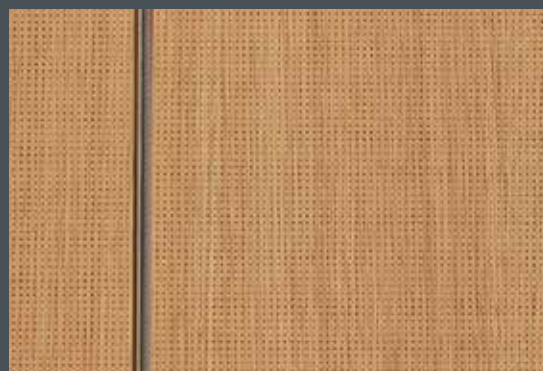
Our expertise: Your room acoustics.

Not only musicians know: Each room sounds different. Architects too. The art of creating designs to improve the acoustics of a room has always been important and specialist discipline.

And it's not just about optimizing the acoustics on the inside, what about reducing the sound on the outside with effective sound insulation? As not everything you hear or say in a room, should be heard outside.

Whether you want to improve the sound and/or sound insulation – Nüsing is your partner for successful tried and tested sound and acoustic solutions.

Nüsing acoustic boards are easy to fit to our movable wall panels and come in a wide range of designs to meet your every need. Our qualified experts ensure that your rooms not only look good – but sound good too.

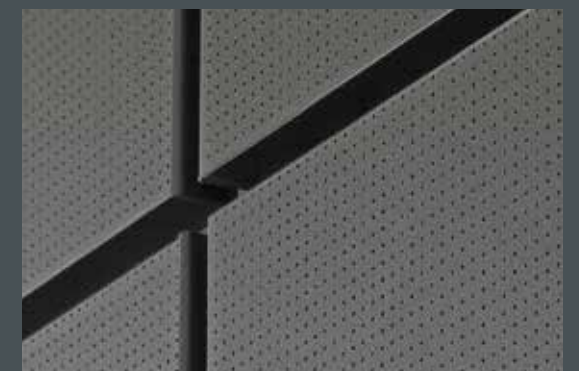


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As you like it: Custom-made acoustics and sound insulation.

Acoustic boards as additions to movable walls can be used to influence the acoustics of your room. When a combination of sound insulation and acoustics boards is to be used on our movable wall panels, a special wall construction is required because the vibration characteristics of the movable wall are completely changed.

We have risen to the challenge and tested this combination. We achieved an excellent result of up to $R_w, P 57$ dB.





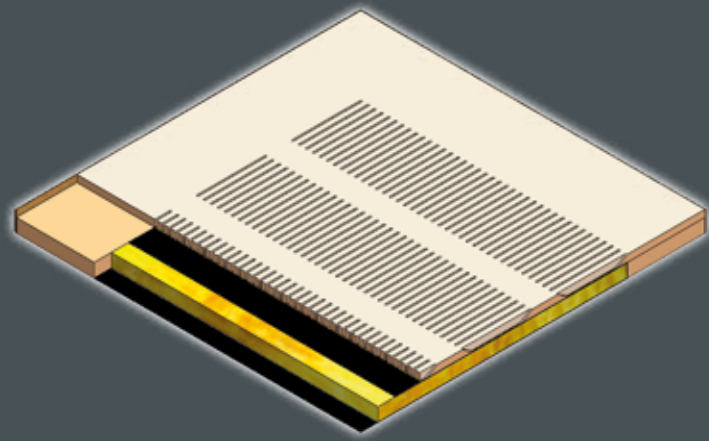
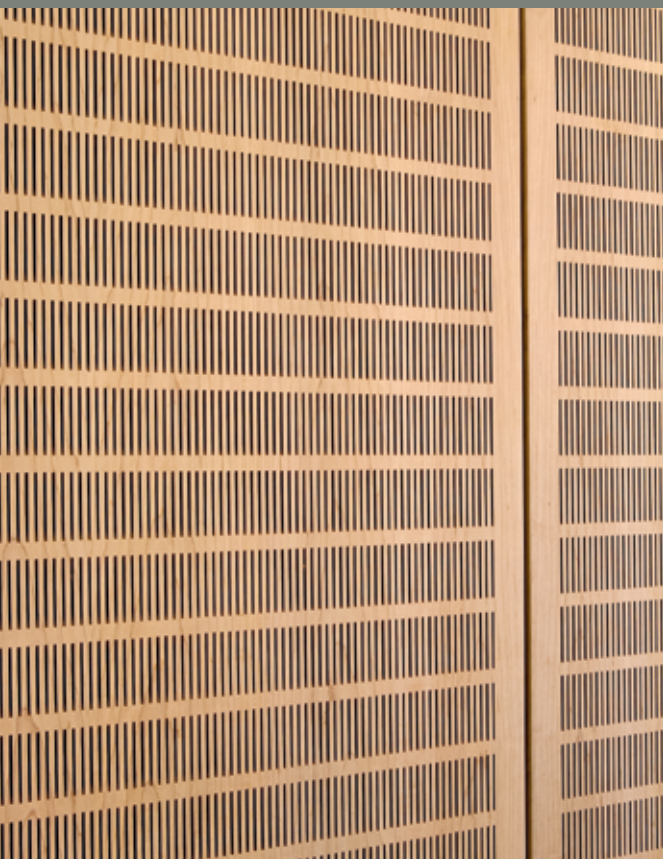
Sounds impressive: Technical tones

Nüsing acoustic boards to EN 20354

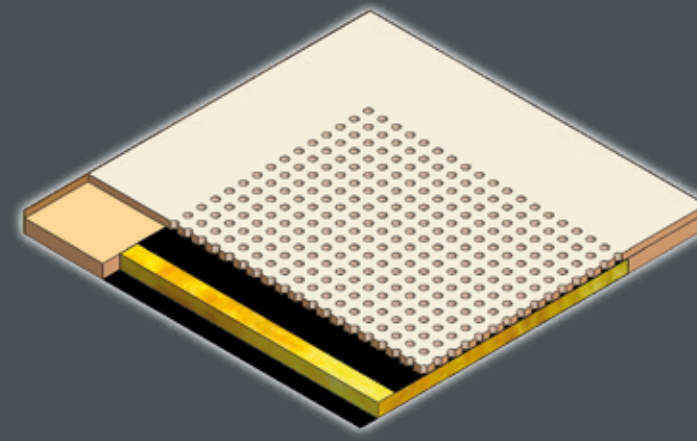
- MDF cladding boards B1 and B2, different sizes and colours
- 16-24 mm, according to type
- perforations 3mm – 10 mm Ø
- micro-perforations – 1 mm diameter
- various slots S (interrupted)
- various slots SD (continuous)
- own production

finishes

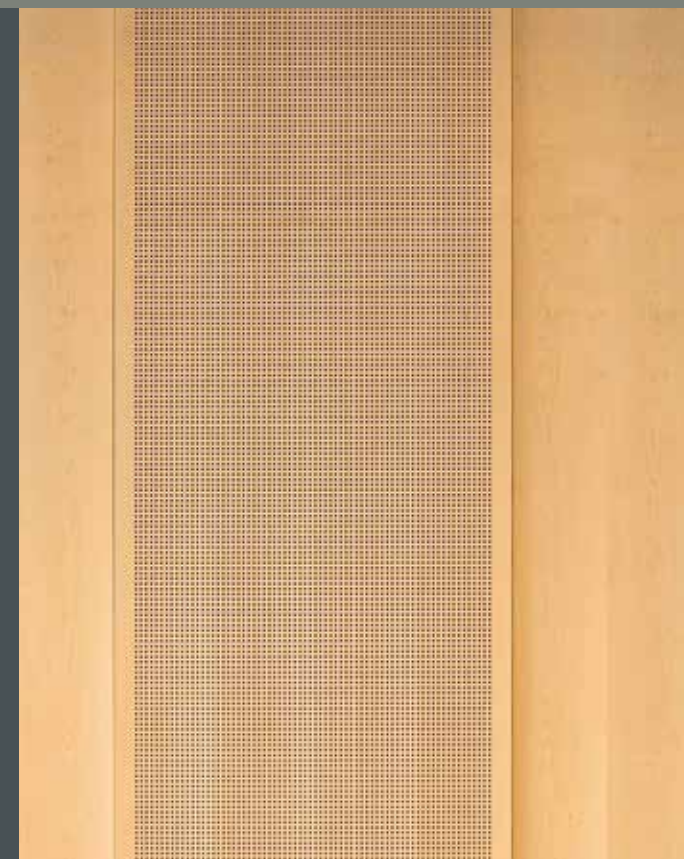
- painted finish to RAL
- wood veneer
- laminates
- edging:
 - veneer edge
 - laminate edge
- 16 test reports to EN 20354
- acoustics: low to high tones



8/2-24-S



16/8-24



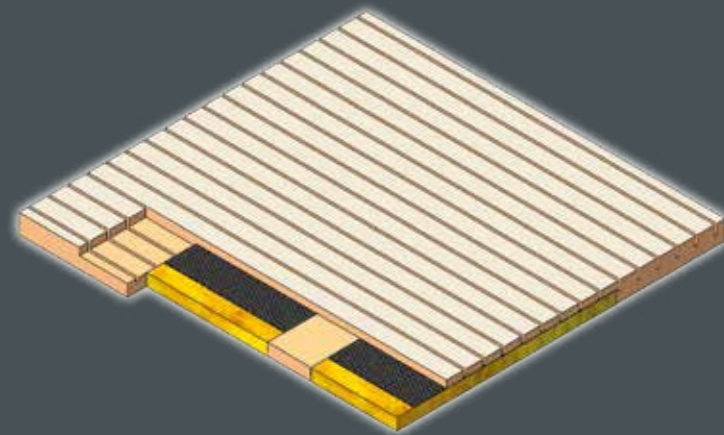
visibly better acoustics ...

acoustic boards with slits

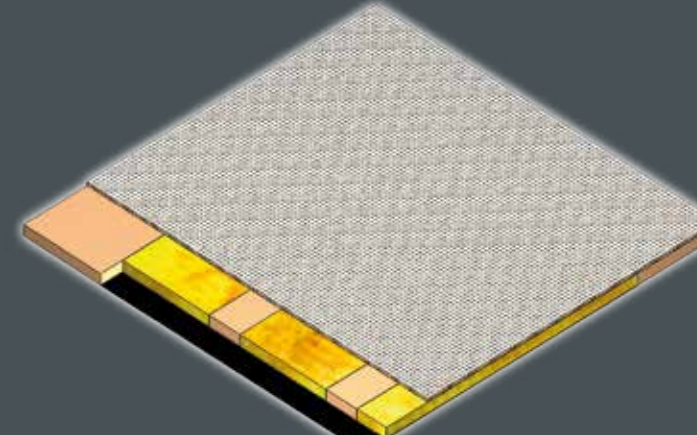
acoustic boards with perforations

... and micro-perforations

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13/3-16SD



4/1-16

7

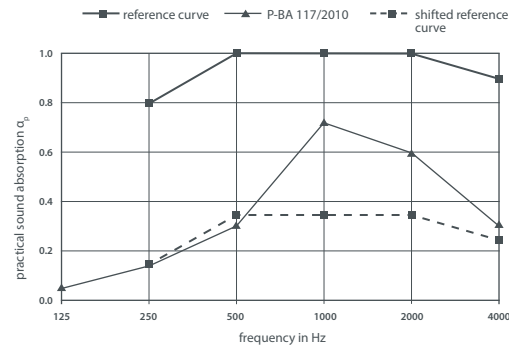


Nüsing acoustic boards with perforations

Type 4/1-16 – perforated board as additions to movable wall

board thickness: 16 mm
 perforation: 1 mm diameter
 perforation type: parallel
 grid spacing: 4 mm
 perforated area: approx. 5 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.35$
 sound absorption class D

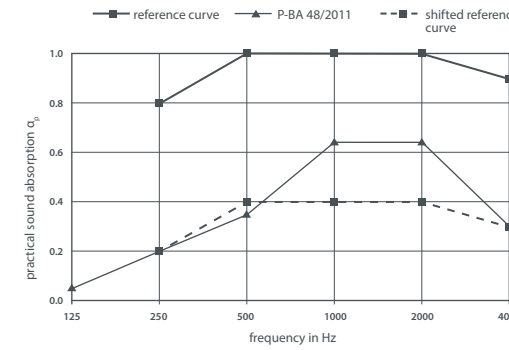


test number: P-BA 117/2010

Typ 16/8-24 – perforated board as additions to movable wall

board thickness: 24 mm
 perforation: 8 mm diameter
 perforation type: parallel or (1/2) offset
 grid spacing: type 16 board
 perforated area: approx. 16 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.40$
 sound absorption class D

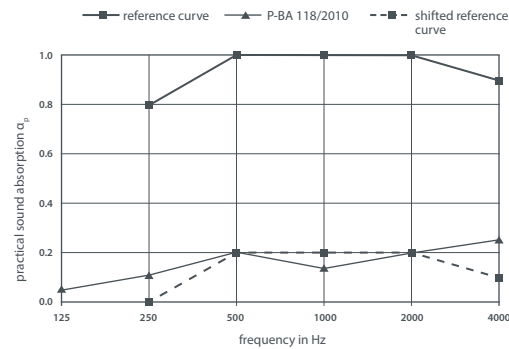


test number: P-BA 48/2011

Type 4/1-16o – perforated board as wall panels (100mm total panel thickness)

board thickness: 16 mm
 perforation: 1 mm diameter
 perforation type: parallel
 grid spacing: 4 mm
 perforated area: approx. 5 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.20$
 sound absorption class E

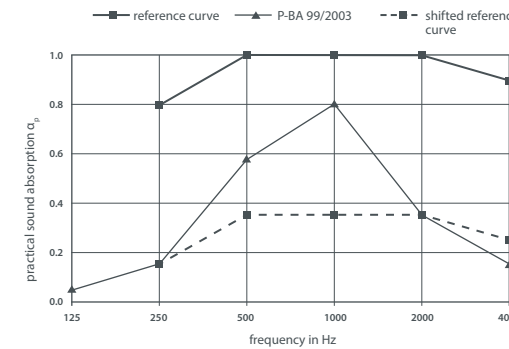


test number: P-BA 118/2010

Typ 16/5-24 – perforated board as additions to movable wall

board thickness: 24 mm
 perforation: 5 mm diameter
 perforation type: parallel or (1/2) offset
 grid spacing: type 16 board
 perforated area: approx. 7.5 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.35$
 sound absorption class D

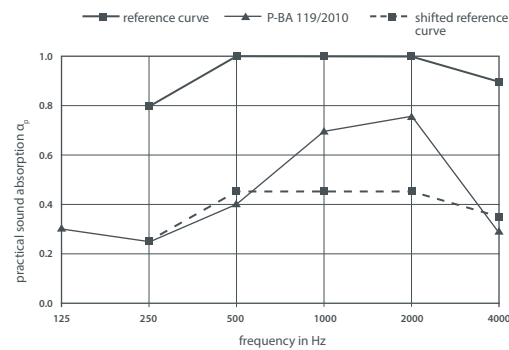


test number: P-BA 99/2003

Typ 4/1-100 – perforated board as wall panels (100mm total panel thickness)

board thickness: 16 mm
 perforation: 1 mm diameter
 perforation type: parallel or (1/2) offset
 grid spacing: type 16 board
 perforated area: approx. 4.9 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.45$
 sound absorption class D

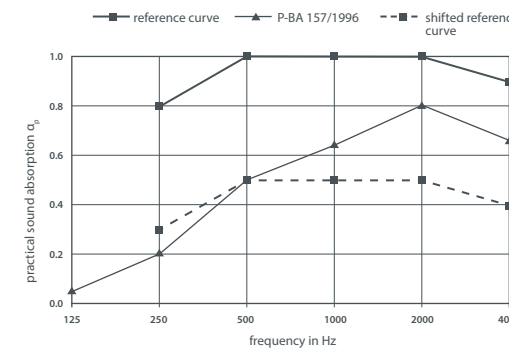


test number: P-BA 119/2010

Typ 16/10-24 – perforated board as additions to movable wall

board thickness: 24 mm
 perforation: 10 mm diameter
 perforation type: parallel or (1/2) offset
 grid spacing: type 16 board
 perforated area: approx. 28 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.50$
 sound absorption class D



test number: P-BA 157/1996

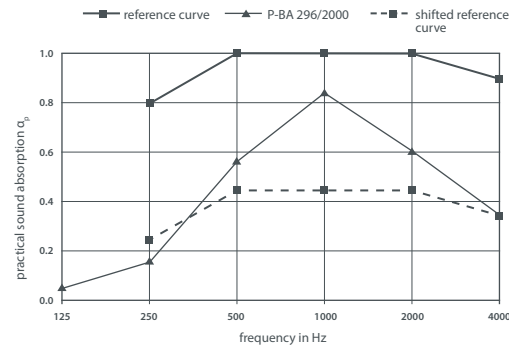
Nüsing acoustic slotted boards



Typ 8/2-24S – slotted board as additions to movable wall

board thickness: 24 mm
 slot: 80 × 2 mm
 slot type: interrupted
 slotted area: approx. 8 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.45$
 sound absorption class D

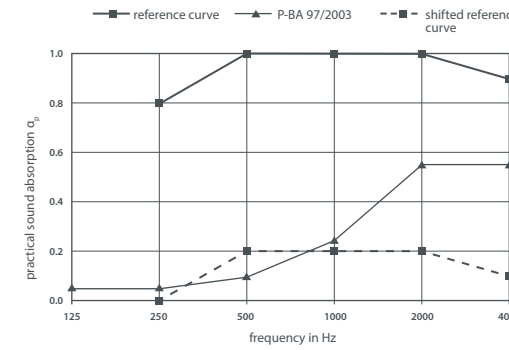


test number: P-BA 296/2000

Typ 13/3-16SD – slotted board as additions to movable wall

board thickness: 16 mm
 slot: 3 mm
 gap between slots: 13 mm
 slot type: continuous
 slotted area: approx. 19 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.20$
 sound absorption class E



test number: P-BA 97/2003



Typ 8/2-24S

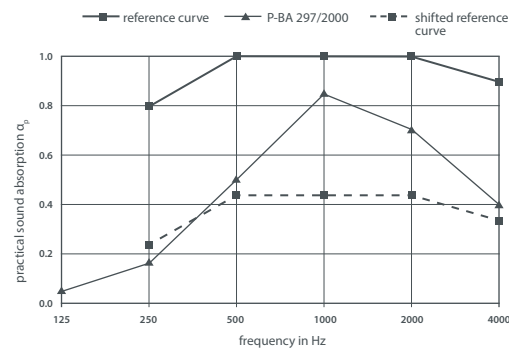


Typ 14/2-16SD

Typ 7/3-24S – slotted board as additions to movable wall

board thickness: 24 mm
 slot: 80 × 3 mm
 slot type: interrupted
 slotted area: approx. 13 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.45$
 sound absorption class D

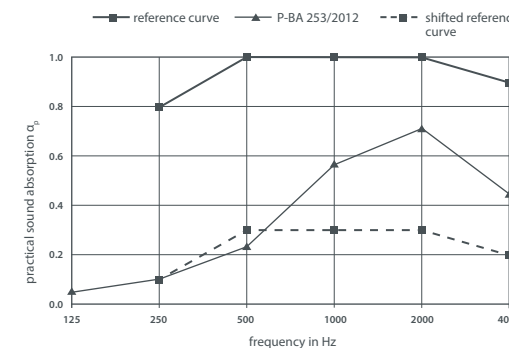


test number: P-BA 297/2000

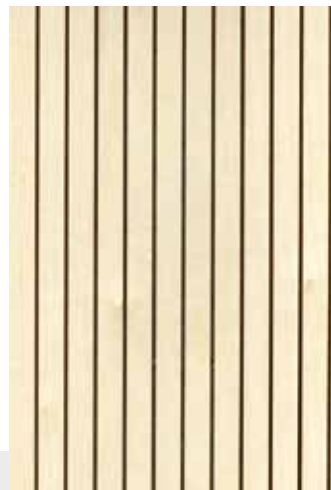
Typ 14/2-16SD – slotted board as additions to movable wall

board thickness: 16 mm
 slot: 2 mm
 gap between slots: 14 mm
 slot type: continuous
 slotted area: approx. 12 %/sqm

evaluated
 sound absorption: $\alpha_w = 0.30$
 sound absorption class D



test number: P-BA 253/2012





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