

A new take on
acoustic design





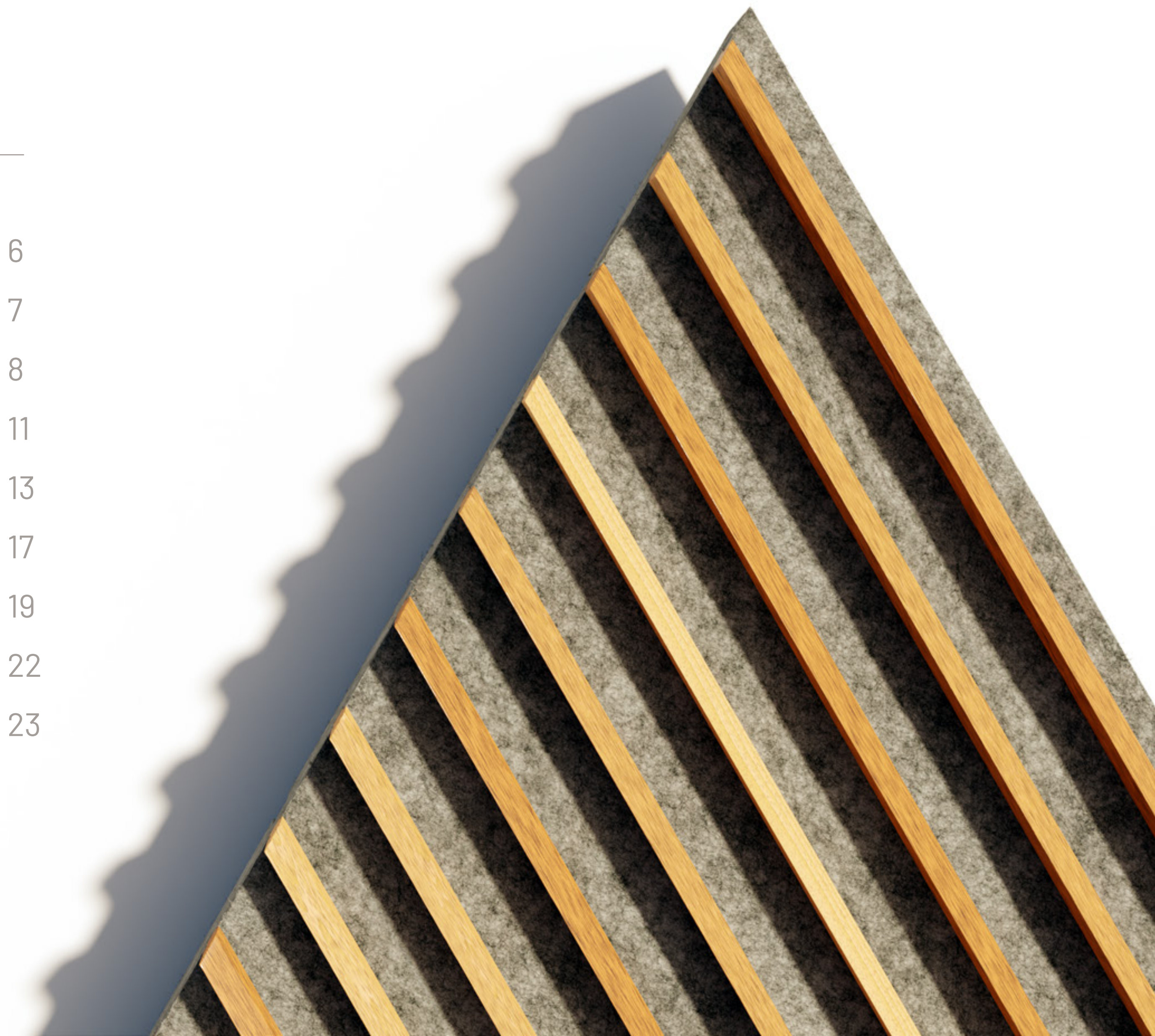
Sound absorption with style

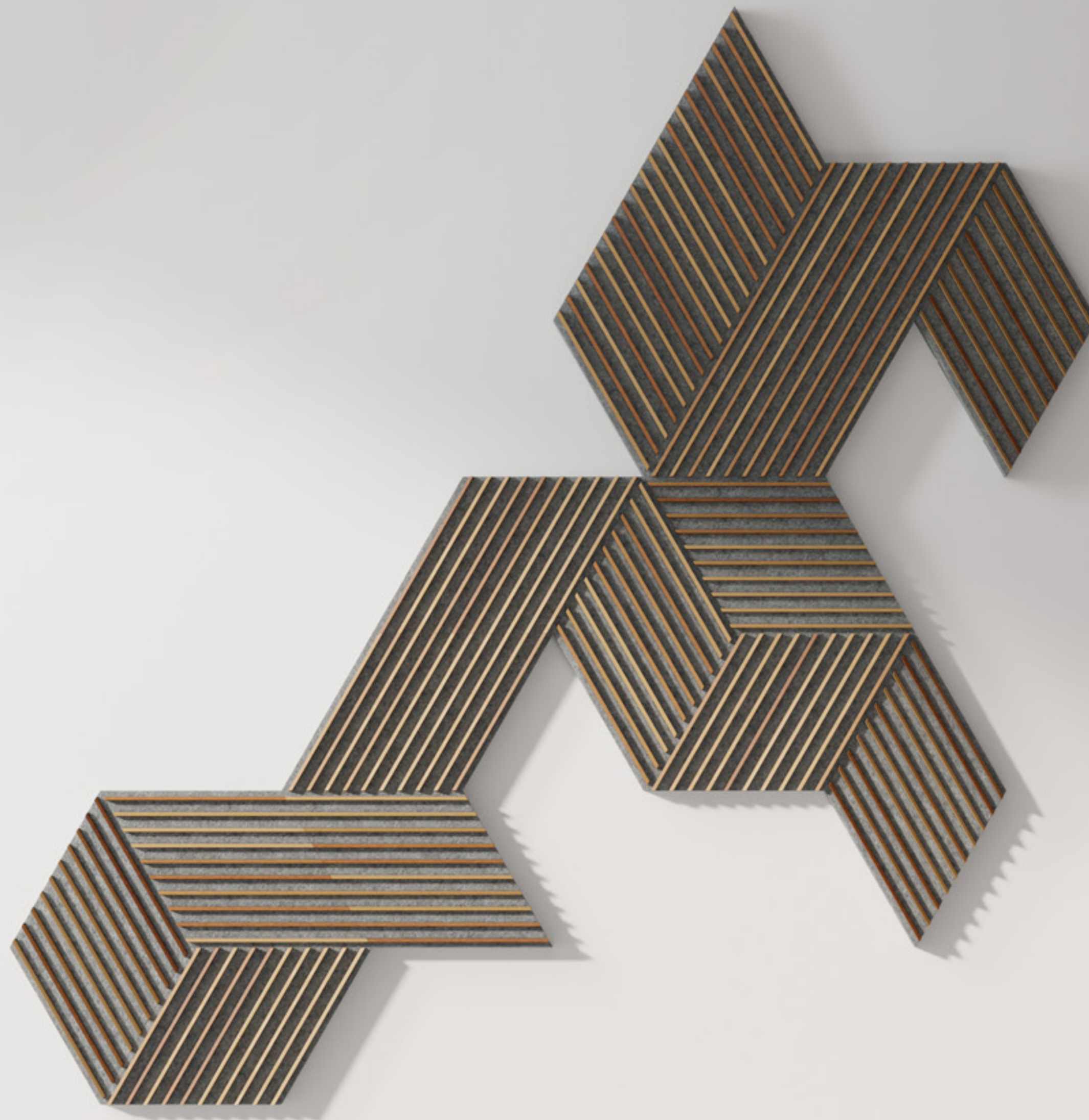
Acoustics matter, whether you're in an office, a restaurant or at home. Sound reflections and reverberations can interfere with conversation, break our concentration and ruin our cinematic viewing pleasure. Noise absorption helps avoid this, and to this end, Koest designed a modular acoustic wall panel system that boasts the highest level of sound absorption in a striking yet timeless design. Its panels can be configured in a variety of ways, allowing you to create a distinctive wall feature that is as delightful for the eye as it is kind to the ear. And if more absorption is needed, simply add more panels.

The panels are made from sustainable materials and produced in a socially responsible manner. Meet Koest!

Index

<u>Stylish and unique</u>	6
<u>Customized design</u>	7
<u>Enhancing your space</u>	8
<u>The highest level of sound absorption</u>	11
<u>Sustainable and socially responsible</u>	13
<u>Price</u>	17
<u>Technical specs</u>	19
<u>Who are Koest?</u>	22
<u>Contact</u>	23





_Wall:
5,5 x 2,7 mtr
Panels:
15





_Wall:
5,5 x 2,7 mtr
Panels:
15





Stylish and unique

The acoustic panels come in diamond-shaped modular form, along with an inventive wallmounting system that allows you to create your own unique and stylish sound absorption feature from multiple panels. Each panel includes 10 sound diffusing wooden strips that, thanks to their raised angled surface, catch the light at different angles, thereby adding a sense of dynamism to the aesthetic appeal of the feature.



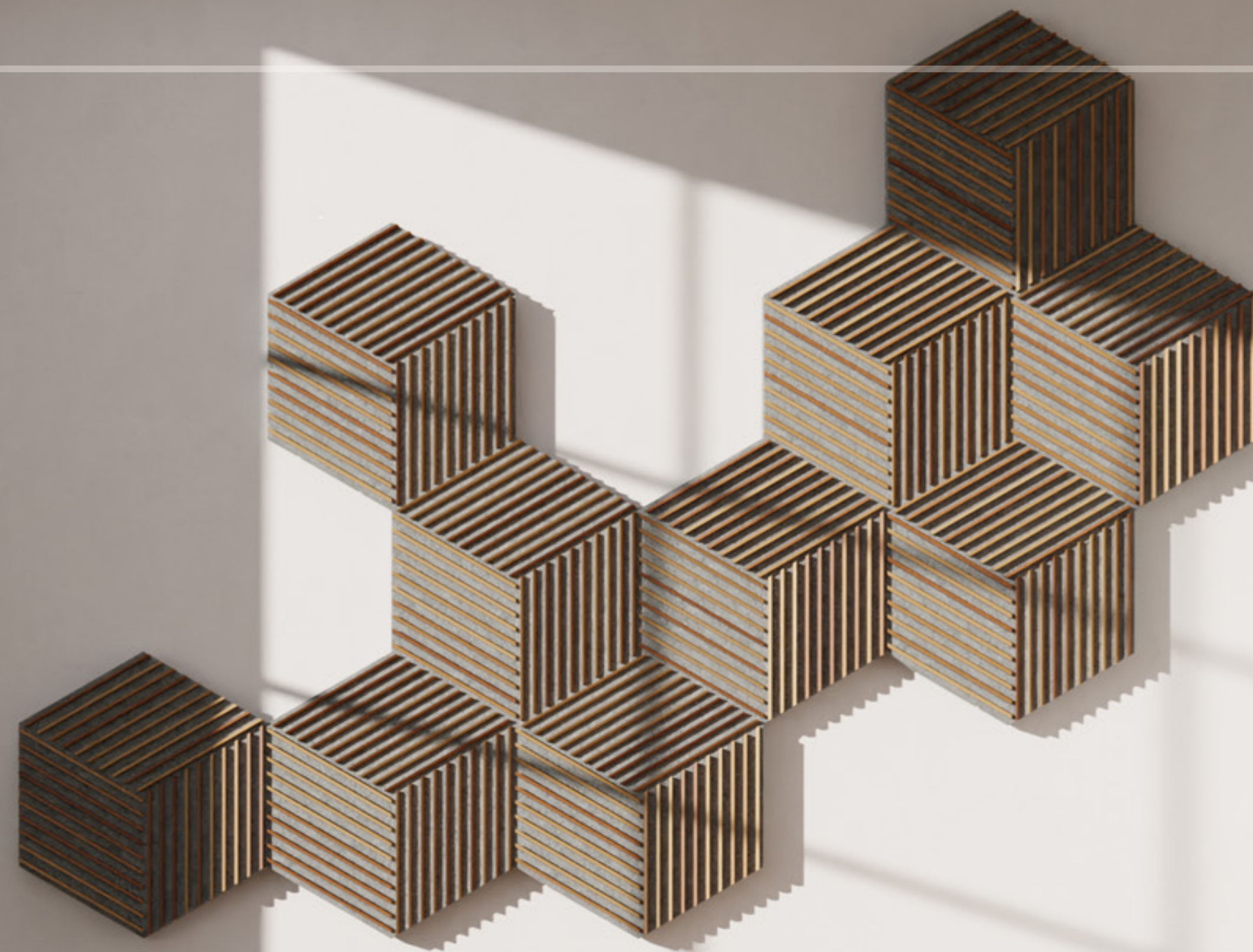
Customized design

The room's properties and dimensions determine the number of panels needed; you decide the design of your feature. Koest are more than happy to advise on panel placement and provide custom solutions. Also, we are working on offering a complete package in terms of acoustics, including other shapes of panels, base traps and ceiling parts. Please [contact us](#) to see how we can help you.



Enhancing your space

Our aim is to help create spaces that enhance people's sense of well-being. Acoustically untreated spaces, especially public ones, can feel and look cold, stark and uninviting, a sensory problem easily resolved by a composition of wall panels. We've designed our panels to complement all manner of spaces, big or small. Public spaces like offices, restaurants or lobbies and private spaces like listening rooms and home theatres. This means we work with private individuals as well as project developers, architects and interior designers.



_Wall:
5,1 x 4,3 mtr
Panels:
30

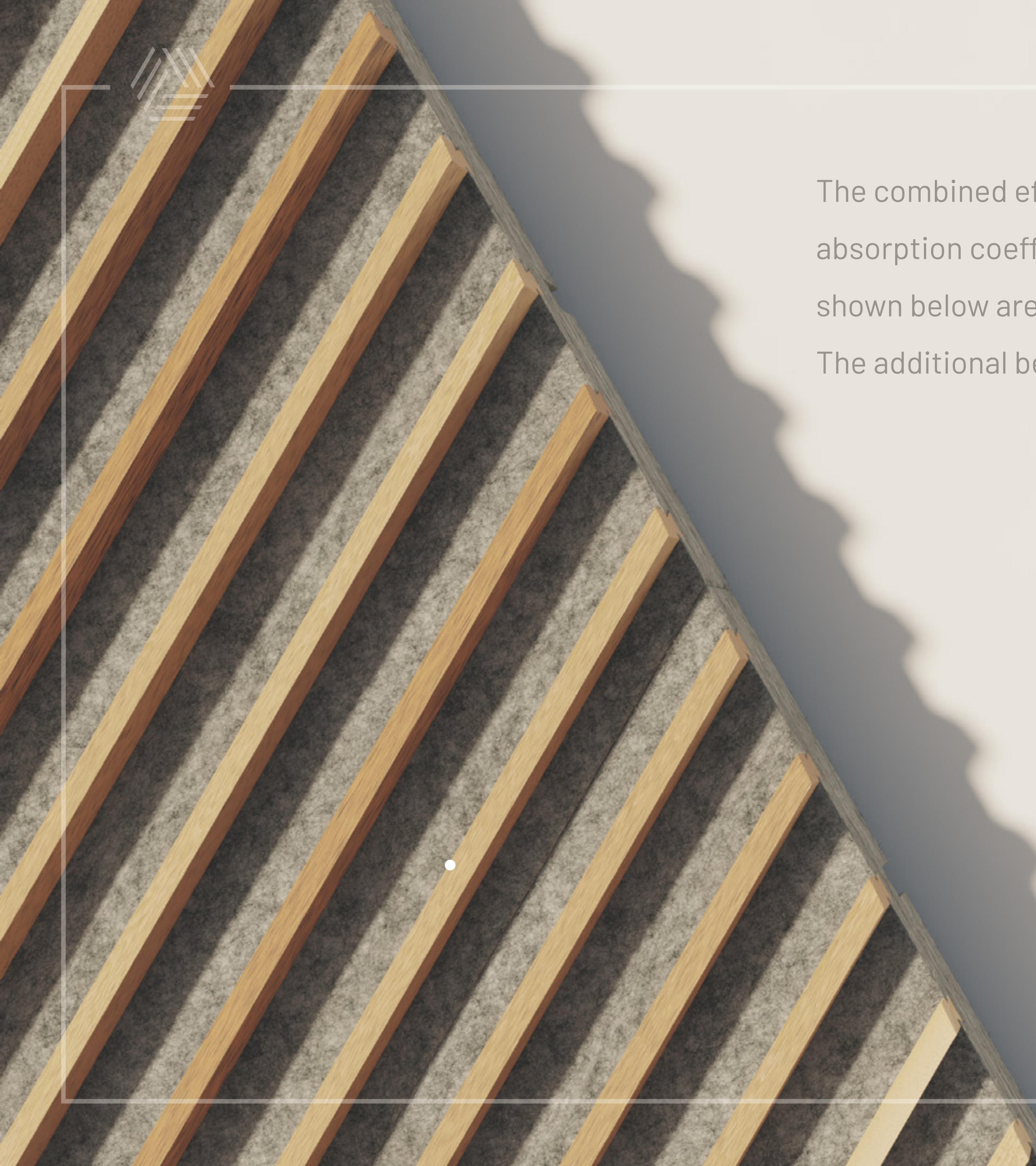


_Wall:
2,9 x3 mtr
Panels:
15

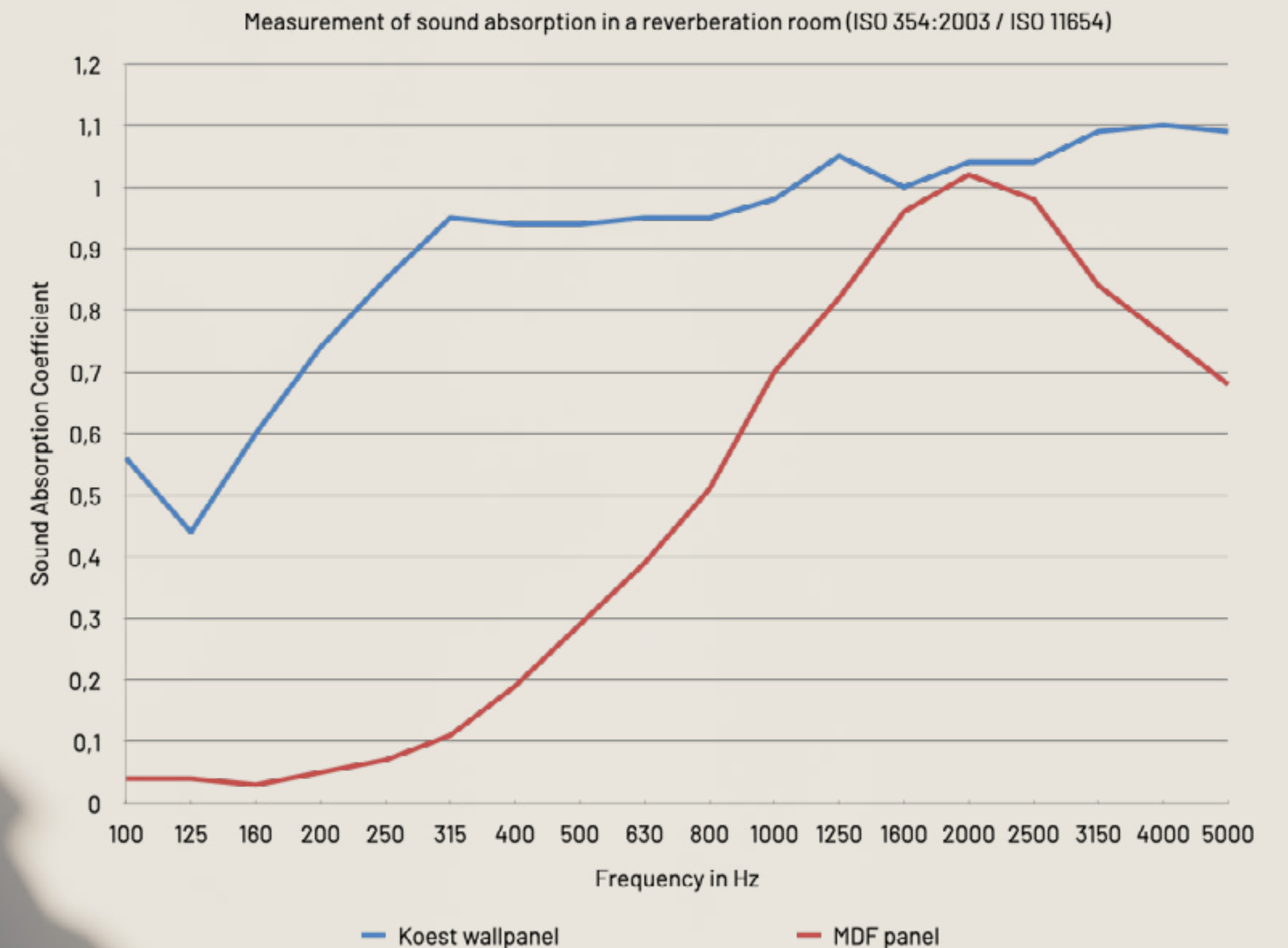


The highest level of sound absorption

The panel is made of PET felt and wood, a unique combination. The felt is 40 mm thick, providing the highest level of sound absorption possible. The wood is attached to the felt by wooden dovetail parts and provides acoustic diffusion, i.e., it spreads sound energy evenly across the room. The panel hangs two centimetres from the wall, thereby providing additional sound absorption.



The combined effect of the characteristics mentioned in the previous sheet, is an absorption coefficient of up to 1.1 α , depending on sound frequency (Hz). The results shown below are of 40 mm felt that is attached to the wall with a 200 mm distance. The additional benefits of the wooden strips are not calculated.





Sustainable and socially responsible

Koest are avid fans of stylish design, high standards and socially responsible manufacturing. Thus, the wall panels are made from sustainable materials sourced as locally as possible. The felt comes from Belgium and consists of 60% recycled PET bottles, and is 100% recyclable. The wood comes from the residual waste of industrial activity in the Netherlands – mainly leftover lumber, scrap wood and discarded wood packaging material, which we give a third life as sound diffusers – and is thus also 100% sustainable. We use bamboo plywood for the wall mounting and connecting elements of the panels.



Bamboo has properties comparable to tropical hardwood, but is produced in an ecologically responsible manner. We cut the felt in Limburg and process the wood ourselves. The panels are assembled, packed and shipped from a **sheltered employment workplace** in Nijmegen.

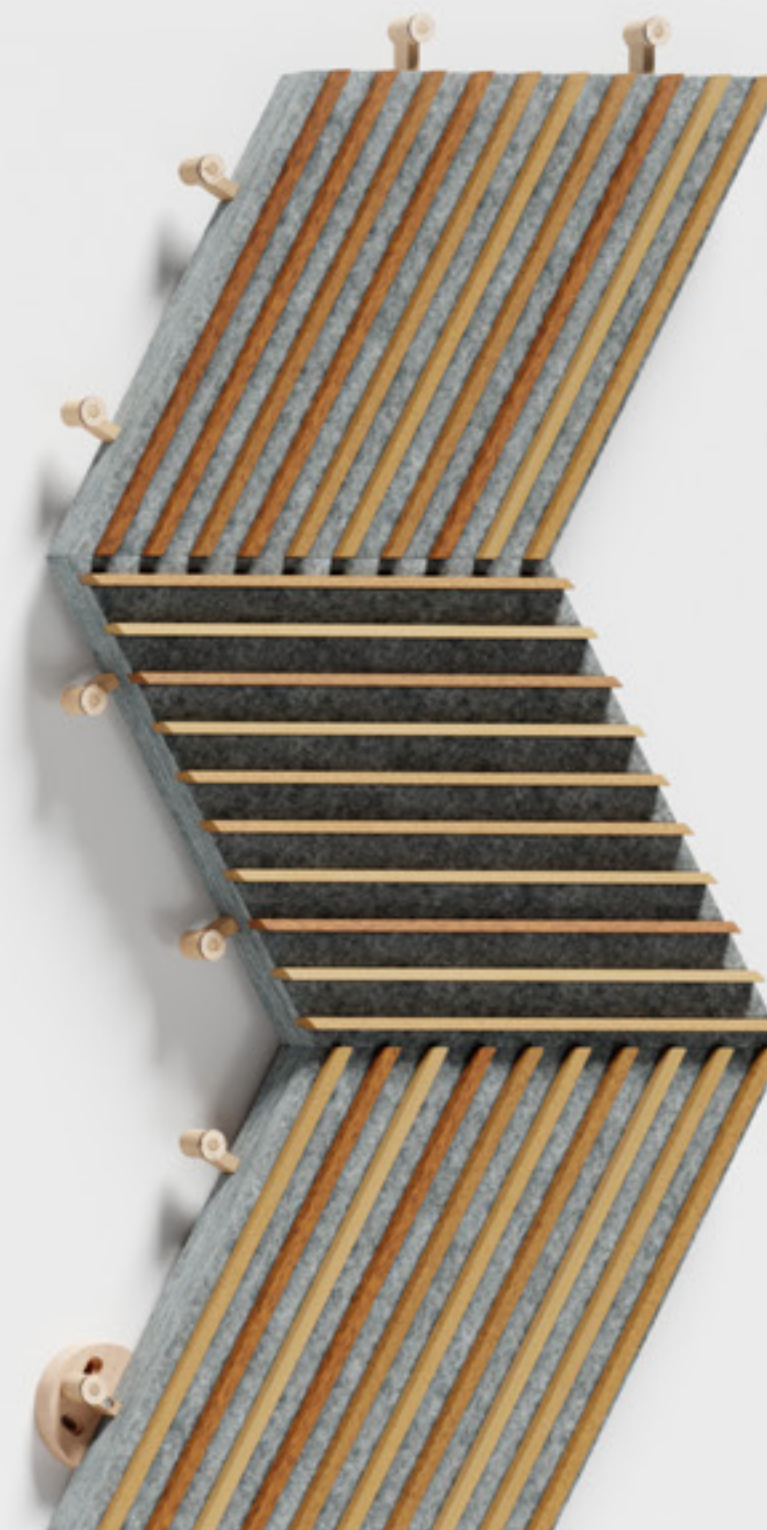
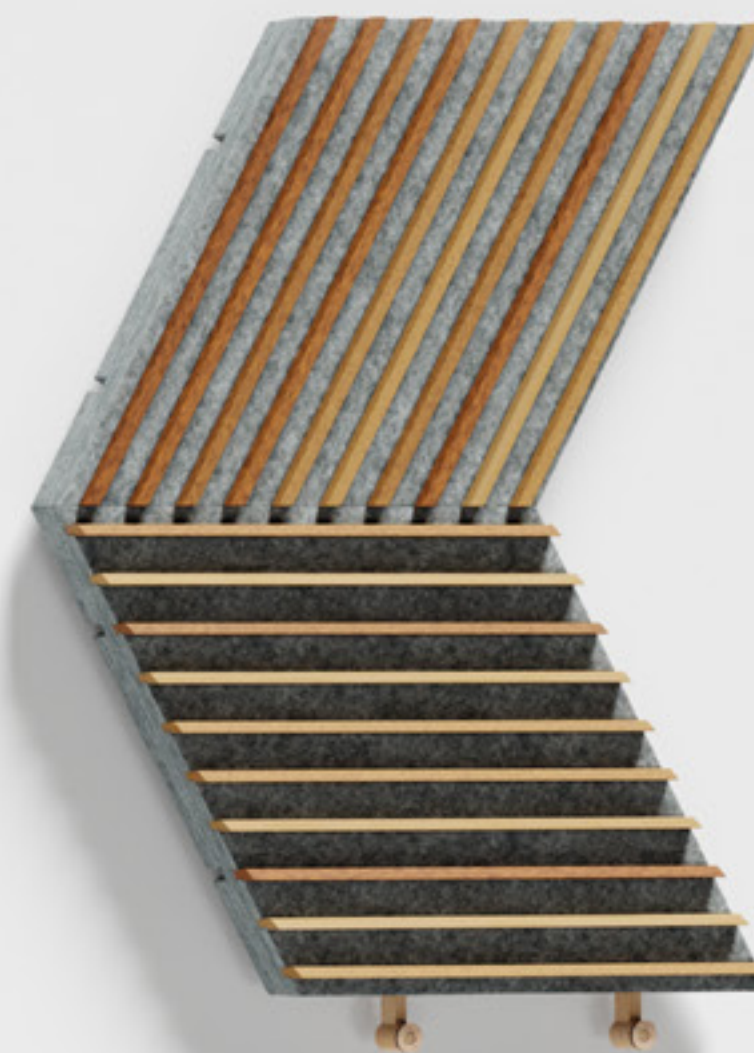
The wooden elements of the panels are produced by means of traditional woodworking craftsmanship, while the PET material is cut into shape with precision CNC machinery. The two materials are joined by wooden dovetail parts that fit into corresponding slots, thereby requiring no adhesives. This not only avoids the need for tools in separating the materials if necessary, but also facilitates later disassembly and repurposing.



_Wall:
20 x 5 mtr
Panels:
113



_Wall:
20 x 5 mtr
Panels:
113



Price

€ 94,00 excl. VAT – silvergrey panel with wooden strips

Each panel measures 380 mm in length, so you'll need eight for a square metre

Price includes wooden strips and wall mounting system



_Wall:
12 x 4,6 mtr
Panels:
127



PET felt specs

Colours: Light-grey, Silver-grey and Anthracite

Thickness (NWSP 120.6): 40 mm

Weight: 4000 g/m²

Acoustic Properties ISO 354 / ISO 11654: $\alpha_w = 1,00$
ASTM C423: NRC = 0.95
Measurement of sound absorption in a reverberation room
(ISO 354:2003 / ISO 11654)

- Produced in Germany
- 100% polyester, of which 50% recycled PET bottles
- 100% recyclable
- Thermally and mechanically bonded, without chemical binders
- Velvet smooth surface
- Non-respirable material
- Formaldehyde-free
- ÖKO-TEX® standard 100 certified (product class 1)
- REACH certified
- Fire classification: B1 (DIN 4102-1:1998-05)
- Maintenance: With clean duster or clean, soft brush / vacuum cleaner with a soft nozzle.



_Wall:
12 x 4,6 mtr
Panels:
104



_Wall:
12 x 4,6 mtr
Panels:
128



Who are Koest?

Koest is the brainchild of Jeroen Bomers, Joost Lindner and Joep Grootings. We founded Koest on the belief that there should be a solution for terrible acoustics in everyday environments.

As an inventor, designer and creative marketer we searched for one that was both aesthetically pleasing and sustainable. Eventually we found it in the right combination of felt and wood.

Our mission is to innovate the world of acoustic materials for everyday environments in a responsible way.



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