

Envirocoustic™ Wood Wool

ACOUSTICAL SURFACES
STOP NOISE

Acoustical Surfaces, has been providing acoustical solutions to soundproofing, noise control, acoustical and vibration problems for over 35 years.

ACOUSTIC WOODWOOL DESIGN

Envirocoustic™ **Wood Wool**

Envirocoustic™ Wood Wool panels are made from 100% natural materials; wood and cement. The combination of wood and cement creates unique sound absorbing properties, ensuring good acoustics in any room.

The material has a natural resilience and can handle moist environments, while also providing effective fire protection. There are countless pores inside the panel, which absorb noise. The panels not only has great acoustic and decoration effect, but are also environmental friendly. Different paint colors are available by request .

ENVIROCOUSTIC™ WOOD WOOL

Envirocoustic™ Wood Wool is cement-bonded wood wool panels that ensure good acoustics in any room.

Materials are produced with special treatment for nature and are rooted in more than 35 years experience of wood wool production. Due to products competitiveness, fireproof, durability and ecological futures, it is perfect for a wide range of insulation, construction and design purposes.



Why Wood Wool ?

- ▶ Good acoustics
- ▶ Healthy indoor climate
- ▶ Documented sustainability
- ▶ Effective fire protection
- ▶ Natural strength
- ▶ Flexible design solutions



Panels can be bare, in the NATURE version (the natural ivory colour of the mineralised fibre), or they can be coloured, without affecting acoustic performance.

Open and smooth surface structure	Long-lasting Durability	Dimensional accuracy and tolerances	Humidity and climate regulation	Various Edge design
Light Shrinkage behaviour	Sound absorption up to $\alpha_w = 1,0$	Nature meets trend – non-toxic, organic building material	Reaction to fire – non-combustibility A2	High mechanical strength
High-quality and sustainable raw materials	Product portfolio endless scope of design			



100% NATURAL INGREDIENTS

Applications

ENVIROACOUSTIC™
WOOD WOOL

These acoustic wall panels are perfect for any space where good speech privacy or speech intelligibility is important.

- ▶ *Offices*
- ▶ *Schools*
- ▶ *Meeting Rooms*
- ▶ *Hotels*
- ▶ *Auditorium*
- ▶ *Recording Studios*
- ▶ *Conference halls*
- ▶ *Broadcasting Studios*



Technical specifications

Core	Wood fiber, Portland cement, and water.
Thickness (mm)	25, 35, 50
Sizes (mm)	610 x 610 - 610 x 1220, custom sizes available
Acoustic Properties	NRC 0.45 – 0.95 (varies with thickness and mounting)
Edges	Square and Beveled
Edge Finishes	Primed Clear, Primed White, Painted
Colours	Wide range of standard colours. Also available in custom colours

Mounting Type

Wall Panels	A, C-25, C-50 and D-25
Ceiling Panels	A, C-25, C-50 and D-25
Tiles	E-400
Baffles	A and E-400

Installation Type

Wall Panels	Direct attach
Ceiling Panels	Direct attach
Tiles	Lay In
Baffles	Suspension by others



ENVIROACOUSTIC™
WOOD WOOL

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A perfect blend of creativity, aesthetics, individuality, environmental credentials and quality.



Reverberation

WALL AND CEILING PANELS

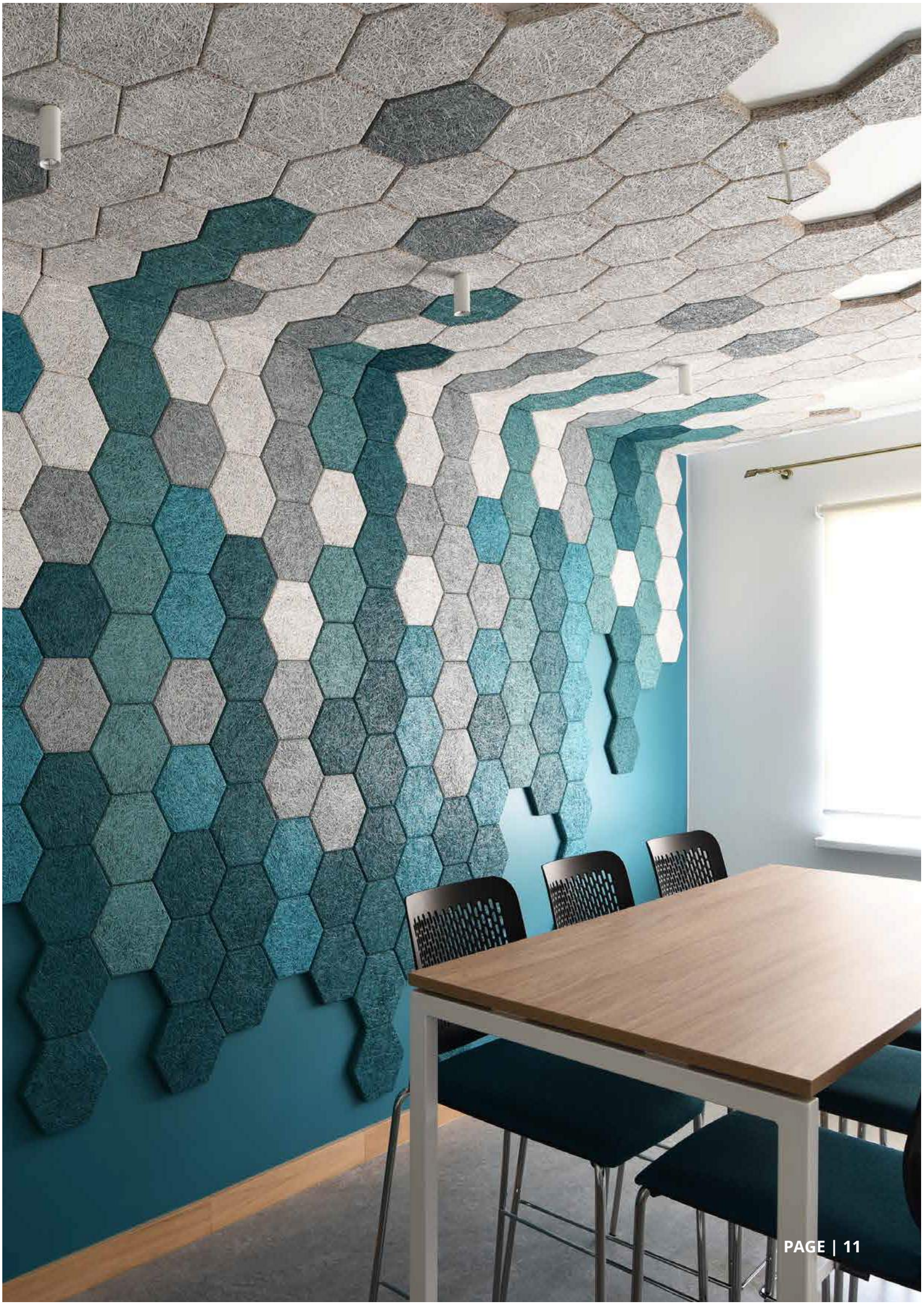
Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
25mm	0.08	0.12	0.26	0.52	0.89	0.60	0.45
35mm	0.04	0.23	0.41	0.80	0.79	0.81	0.55
50mm	0.11	0.29	0.74	1.08	0.85	1.02	0.75

WOODWOOL TILES

Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
15mm	0.72	0.51	0.37	0.50	0.62	0.74	0.50
25mm	0.12	0.34	0.31	0.48	0.51	0.65	0.40
35mm	0.27	0.53	0.41	0.64	0.73	0.85	0.60
50mm	0.35	0.64	0.60	0.86	0.94	0.88	0.75

WOODWOOL BAFFLES

Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
25mm	0.08	0.12	0.26	0.52	0.89	0.60	0.45
35mm	0.04	0.23	0.41	0.80	0.79	0.81	0.55





Envirocoustic™ Wood Wool is now a leader in the eco-friendly, high-performance, cost-effective acoustical-panel products category.

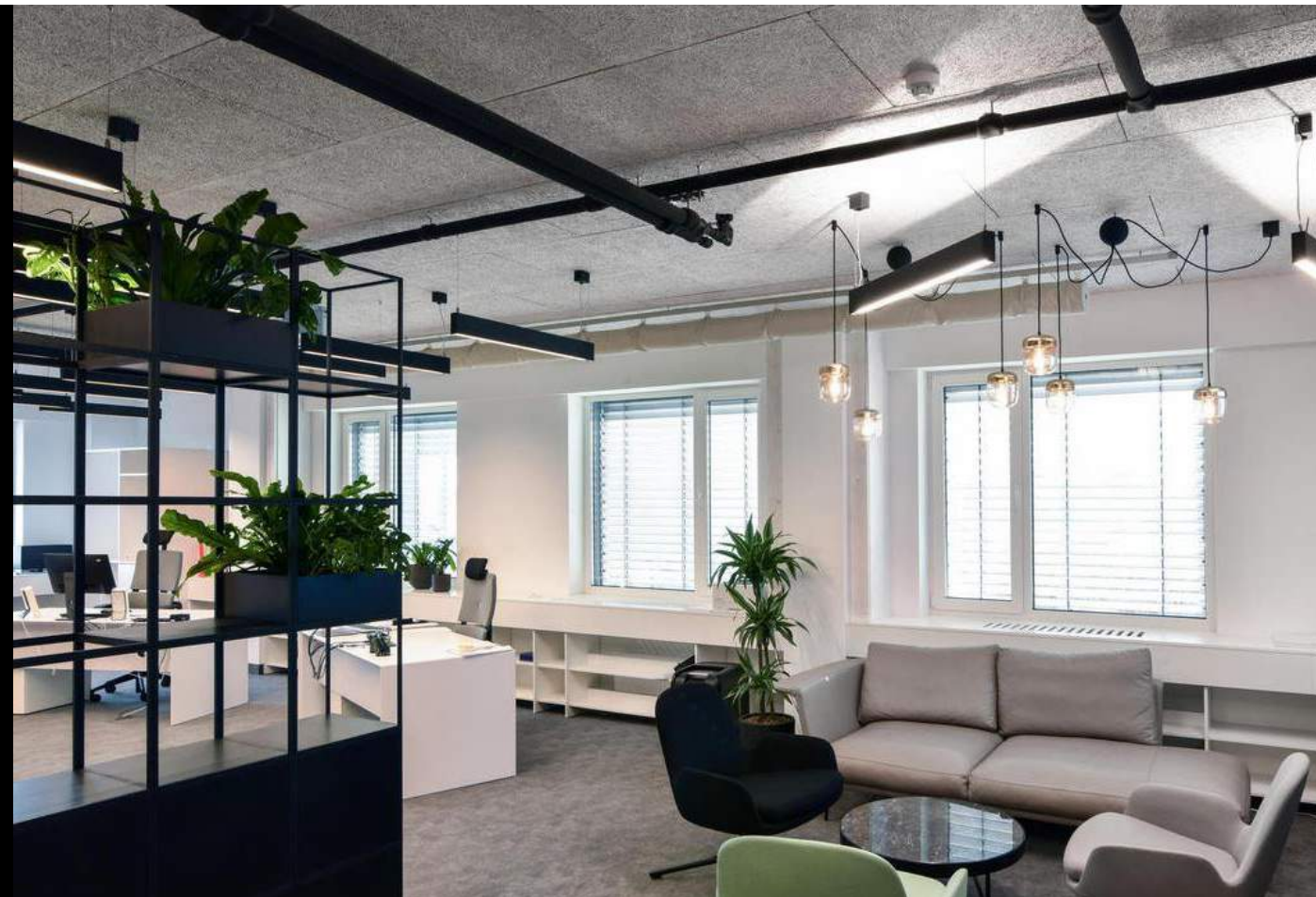
These eco-friendly cementitious wood-fiber panels not only liven up a room with design variety, but also reduce echo and reverberation through sound absorption. Wood wool boards can transform the aesthetics and acoustics of any interior space.

These panels can be easily manufactured and are available in a variety of colors and sizes that fit to any Decor.

WALL PANELS



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CEILING PANELS

Enviroacoustic Wood Wool ceiling panels form the ultimate ceiling solution when it comes to echo and reverberation reduction.

These panels are generally excellent sound absorbers and in addition provide excellent thermal and sound insulation. Enviroacoustic Wood Wool ceiling panels simultaneously improve the aesthetics and acoustics of any given space.



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Envirocoustic™ Wood Wool is now a leader in the eco-friendly, high-performance, cost-effective acoustical-panel products category.

Envirocoustic Wood Wool Square tiles are available in two varieties; square edged and Tegular Edged. These Wood Wool tiles are Class A fire-rated and are highly resistant to microbial and fungal growth, making them an optimal choice for a variety of public or private spaces. With the state-of-the-art manufacturing process, these tiles are manufactured with even thicknesses, consistent dimensions, and clean edges. These Tiles have quick lead times and are easily installable. They make the space lively with design and visual interest and can also be paired with acoustical substrate backer to improve the acoustical performance in any given space.

DESIGNER PANELS



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Envirocoustic™ Wood Wool is now a leader in the eco-friendly, high-performance, cost-effective acoustical-panel products category.

Envirocoustic Wood Wool Ceiling Baffles are the best in class among the eco-friendly, high-performing, cost-effective acoustic panel product category. They liven up rooms with unexpected design variations and provide sound absorption to spaces where direct-attach panels are impractical. They find great applications in spaces where echoes and reverberation can be overwhelming and pose risks to hearing and peace of mind. They are Class A fire rated and are highly resistant to microbial and fungal growth, making baffles a sound choice for a variety of spaces. These Panels are available in many size, shape, and color variations that can be designed to fit nearly any décor.

BAFFLES





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