



WOODENFIBER

ABSORPTION

PRODUCT CHARACTERISTICS

WoodenFiber acoustic panels are made of natural wood wool. This material is ecological and 100% recyclable. Pressed wood fibers, 2-5 mm wide and up to 50 cm long, are combined to form dense wool. The characteristic coating of natural wood is a perfect inspiration for designing offices or public spaces in line with the idea of biophilic design. The panels can be varnished in any color from the RAL or NCS palette, which gives architects a multitude of interior design possibilities.

WoodenFiber is used as an acoustic suspended ceiling or wall cladding. Thanks to its porous structure, it has a high sound absorption coefficient (alpha up to 0.75), which contributes to a significant reduction in reverberation and noise propagation.

The addition of water and cement gives the acoustic panels resistance to mechanical damage and a high fire resistance.

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ABSORPTION



MATERIALS

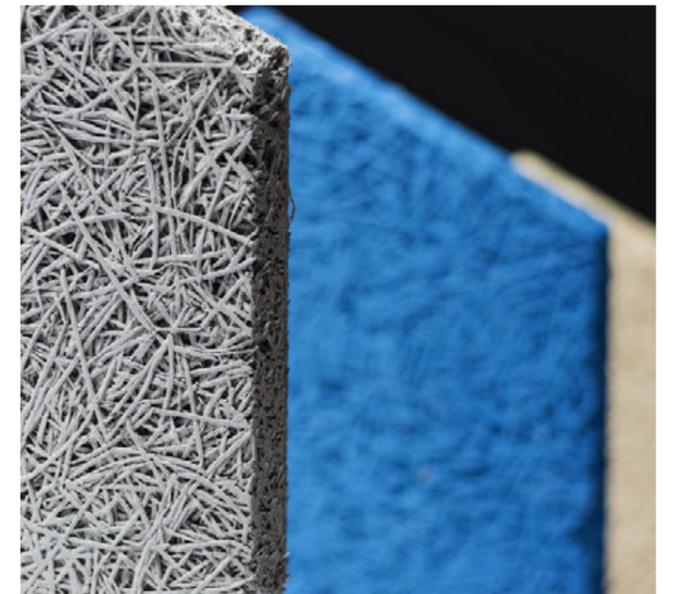
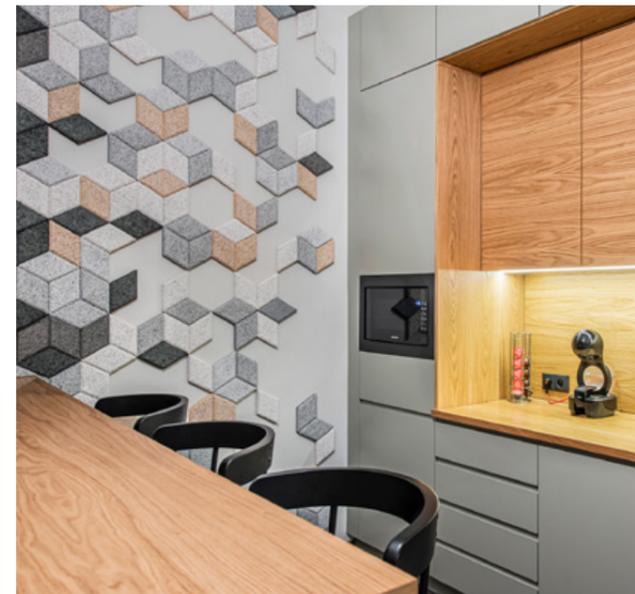
WoodenFiber is an acoustic panel made of pressed wood wool with the addition of cement and water. Unlike mineral wool, the material is dust-proof, and also safe for humans and environmentally friendly. It is also resistant to mechanical damage and deformation. NyquiWool has A2-s1, d0 fire classification, so it can be used in all public utility facilities. The sound absorption coefficient (when using a 12 cm air gap and 50 mm mineral wool) is $\alpha_w \geq 0.75$. The NyquiWool board's absorption coefficient at a thickness of 25 mm (60 mm air gap) is $\alpha_w \geq 0.5$.

PRODUCT PROPERTIES

	ABSORPTION COEFFICIENT	$\geq 0,35$
	ABSORPTION CLASS	D
	FIRE CLASSIFICATION	A2-s1, d0
	COLOURS	any RAL, NCS colour
	SHOCK RESISTANCE	high
	ASSEMBLY	walls, ceiling
	CLEANING	damp cloth
	ECOLOGICAL PRODUCT	yes

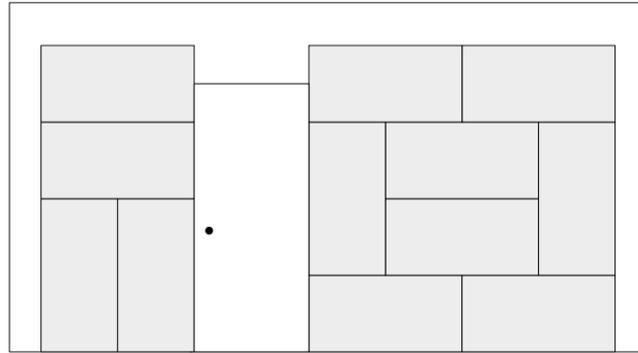
INSTALLATION

The panels can be screwed to a steel or wooden substructure, CD profiles or used as a suspended ceiling with a visible or hidden structure. In order to increase efficiency, it is possible to use an air gap and an additional layer of absorbent material.

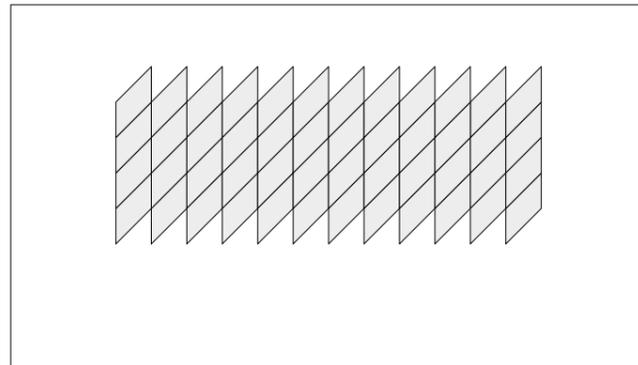


TECHNICAL DRAWINGS

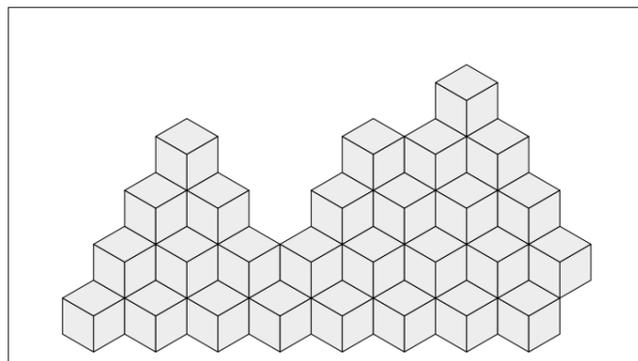
5 X 2,8 M SAMPLE WALL COMPOSITIONS



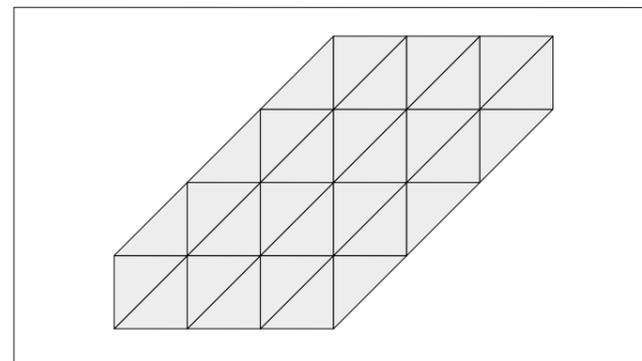
Basic - 1200 x 600 mm



Parallel L - 283 x 566 mm

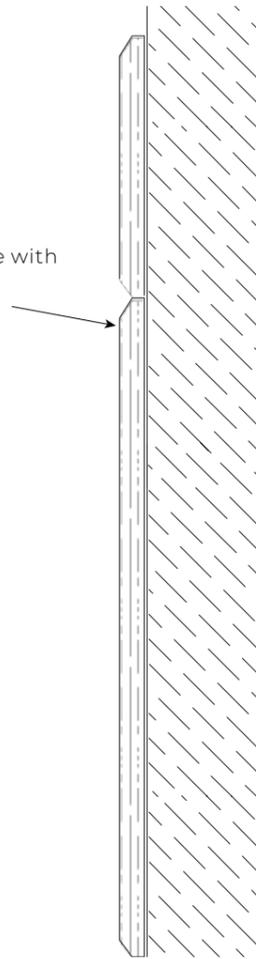


Deltoid L - 281 x 484 mm

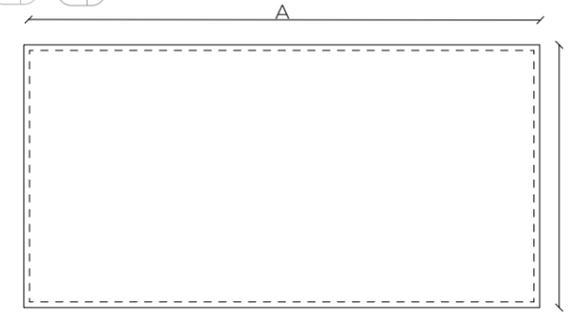


Triangle L - 572 x 572 mm

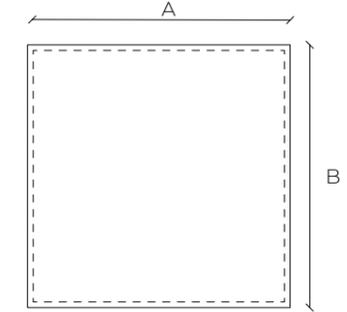
25 mm WoodenWool module with bevelled edge.
Stuck directly to the wall



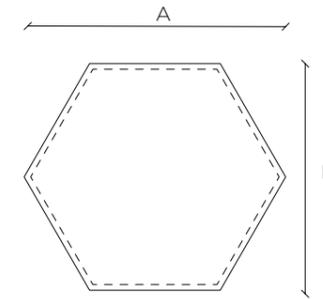
Basic



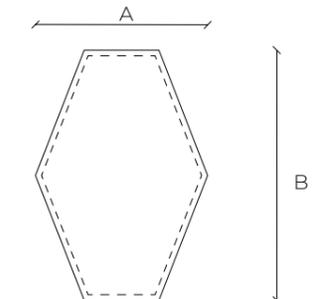
Square



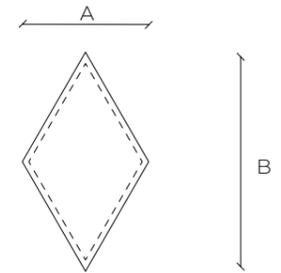
Hexagon



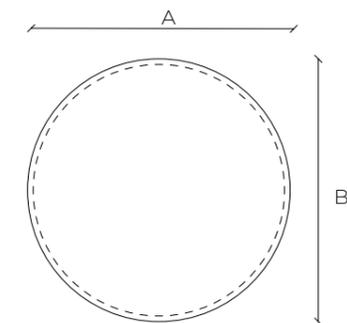
Hexagon B



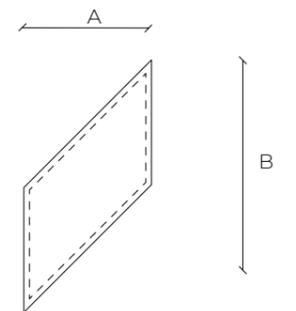
Deltoid



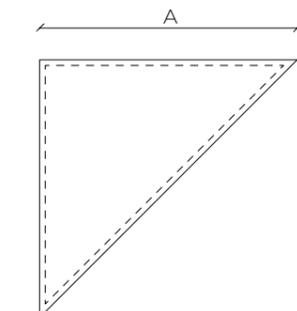
Circle



Parallel



Triangle

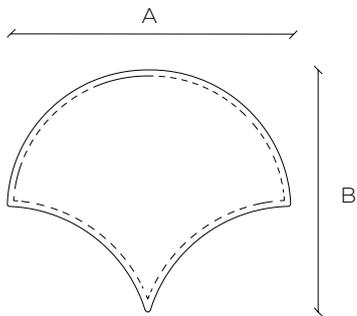


· bevelled edge

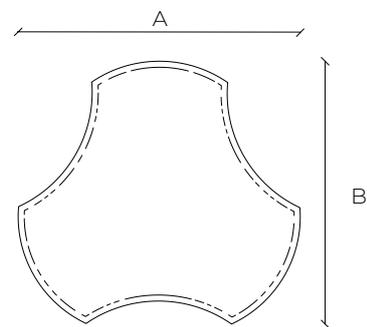


· straight edge

Shell



Cobble



· bevelled edge

TABLE OF PRODUCTS

	Large (L)	Medium (M)
Basic	1200 x 600	-
Square	584 x 584	284 x 284
Hexagon	581 x 519	243 x 281
Hexagon B	387 x 556	192 x 284
Deltoid	281 x 486	179 x 310
Circle	584 x 584	284 x 284
Triangle	572 x 572	272 x 272
Parallel	284 x 566	189 x 378
Shell	585 x 503	272 x 213
Cobble	583 x 546	283 x 264
Custom	?	
*A x B sizes in mm		



We enjoy a challenge so why not provide us with the shape and size you require

FINISH

COLOUR: Natural, RAL, NCS

EDGE: Bevelled, straight

HOW CAN YOU PLACE AN ORDER?

SELECT: Pattern, size, colour, edge finish, quantity