

# Geometrie del suono [vague] Sound geometries



[vague]

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The acoustic comfort is becoming an important standard in the interior design lately. Vague is the smart interpretation of interior paneling, combining a high technology manufacturing and a clean design in order to reach acoustic efficiency.

The system is composed by lightweight tiles, available in a wide range of fabrics, combinable in various shapes and designs thanks to its trapezoid shape.

In un contesto d'arredo in cui il comfort acustico riveste un ruolo di sempre maggior rilievo, Vague si propone come interpretazione intelligente del pannello per rivestimento d'interni combinando un'elevata tecnologia realizzativa ad un design semplice e rigoroso, nel segno della ricerca dell'efficacia acustica. Il sistema Vague è costituito da pannelli leggeri, realizzabili in una vasta gamma di tessuti, componibili in diverse forme e disegni, grazie alla modularità della forma trapezoidale.



The installation system is elemental, thanks to the back surface of the panel made in a special material specifically designed to be fixed through velcro to the wall. The velcro must be applied to the wall surface, and the Vague panel is simply put on it, allowing to move and rearrange the panels on the wall.

For best acoustic performances it's better to separate the panels from the wall by 6 cm length, mounting them on an specific MDF cylinder, sold separately and equipped with a biadesive strip and a velcro surface as well.

Il sistema di installazione è elementare, grazie alla superficie del retro pannello realizzata in uno speciale materiale adatto per essere fissato alle strisce di velcro adesivato fornite con il pannello. È sufficiente pertanto fissare a proprio piacimento il velcro alla parete e poi applicare il pannello sulla superficie velcrata. In questo modo i pannelli sono facilmente amovibili e riposizionabili. Per un miglior risultato acustico è possibile distanziare di 6 cm i pannelli dalla parete, installandoli su un apposito cilindro in MDF, fornito separatamente, anch'esso dotato di una superficie in velcro ed una biadesiva.



# [vague]

## TECHNICAL DESCRIPTION

Acoustic panel realized in thermo shaped polyester fibre, covered with textile on one side, density 50 kg/m<sup>3</sup>, thickness 16 mm. The back side of the panel is covered with a Velcro compatible fabric, which sticks to the provided Velcro supports.

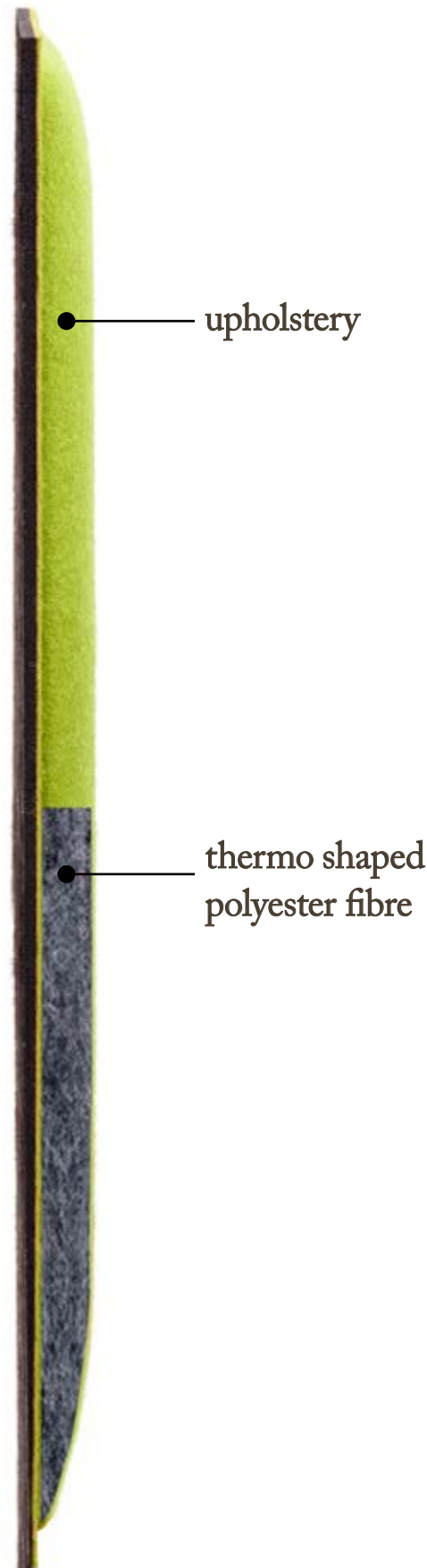
Pannello acustico realizzato con fibra di poliestere termoformata, con tessuto da un lato, densità 50 kg/m<sup>3</sup>, spessore 16 mm. Il retro del pannello è ricoperto con un apposito tessuto che aderisce alla supporto in Velcro fornito con il prodotto.



*AcousticO is the acoustic quality seal by True Desing*

Tests' results show how good the sound absorption coefficient is at medium and high frequencies, as well as considerable efficiency even at lower Hertz. Objective analysis state that panels obtained very high performance, being categorized as A Class absorption materials according to EN ISO 11664 classification.

Vague acoustic panels can be installed directly to the wall, or at 6 cm from the wall, which gives the best sound performance of the product.

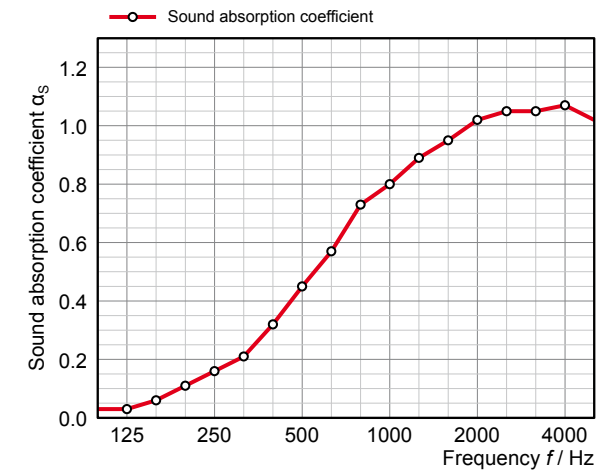


## ACOUSTIC DETAILS

Tests' results show how good the sound absorption coefficient is at medium and high frequencies, as well as considerable efficiency even at lower Hertz. Objective analysis state that panels obtained very high performance, being categorized as A Class absorption materials according to EN ISO 11664 classification.

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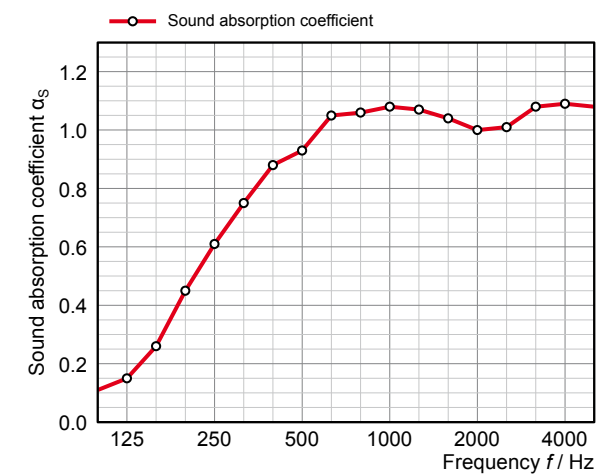
Here Follow detailed sound testing results of the VAGUE panels both installed on the wall or at 6m from the wall. Panels were tested by Muller-BBM Acoustic studio in a reverberation room according to UNI EN ISO 354 standards.



Room: Hallraum  
Volume: 199.60 m<sup>3</sup>  
Size: 7.90 m<sup>2</sup>  
Date of test: 2014-09-16

Frequency [Hz]	$\alpha_s$ 1/3 octave
100	0.03
125	0.03
160	0.06
200	0.11
250	0.16
315	0.21
400	0.32
500	0.45
630	0.57
800	0.73
1000	0.80
1250	0.89
1600	0.95
2000	1.02
2500	1.05
3150	1.05
4000	1.07
5000	1.02

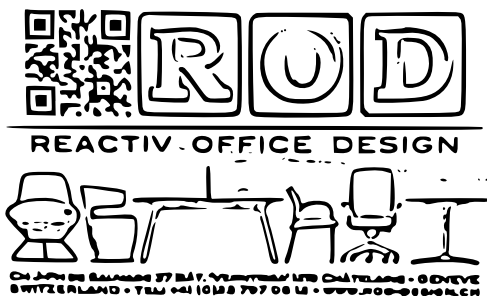
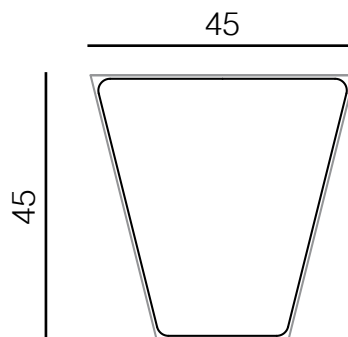
◦ Equivalent sound absorption area less than 1.0 m<sup>2</sup>



Room: Hallraum  
Volume: 199.60 m<sup>3</sup>  
Size: 7.90 m<sup>2</sup>  
Date of test: 2014-09-16

Frequency [Hz]	$\alpha_s$ 1/3 octave
100	0.11
125	0.15
160	0.26
200	0.45
250	0.61
315	0.75
400	0.88
500	0.93
630	1.05
800	1.06
1000	1.08
1250	1.07
1600	1.04
2000	1.00
2500	1.01
3150	1.08
4000	1.09
5000	1.08

◦ Equivalent sound absorption area less than 1.0 m<sup>2</sup>



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#### **vague** by TrueDesign

The module is composed by a multilayer sheet of polyester and textile pinched in a solid wood structure and fixed to a concrete base or to the ceiling.

Il modulo è composto da un cuscinetto di fibra di poliestere termoformato con due strati di tessuto, pinzato all'interno di una struttura in legno massello inserita su un piedistallo di cemento grezzo o fissata a soffitto.

