



TECSOUND BRICK



Presentation

Modular acoustic partition in the form of individual bricks ready to assemble. Assembly, conversion, and disassembly are easy. The two bricks sizes available give a multitude of possible layouts. This set allows you to position and adjust a removable, unattached partition in an open space or leaning against a wall.

Principle

The **TECSOUND BRICK** aims to provide high acoustic correction in an environment where noise reverberation is an issue.

Its use has the effect of improving the comfort and intelligibility of verbal exchanges in a room once treated. The size of the fiber and the transformation process aim for optimal porosity and tortuosity for the absorption of acoustic energy.

Polyester fibre does not contain **chemical binders** and **does not release any toxic substances**. The material **does not generate** dust. Its **dimensional stability after cutting is excellent**.

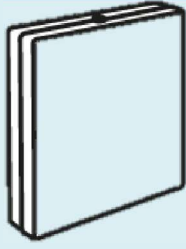
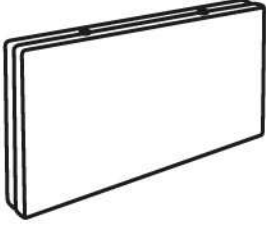
Applications

- Modular interior partition.
- Office furniture sector.

Possibility of configuring the modular system to measure, one on top of the other, side by side, or in staggered parts. The bricks can be positioned rectilinearly, in curves or at right angles.



Shape, Appearance and Colors

Type	Dimensions (mm)	
Small size	400 x 400 x 93	
Large size	800 x 400 x 93	

The brick is made of absorbing polyester fibre and coated with a 2 mm thick wool felt

Available colors

The bricks are available in 12 colors. The colors can be combined according to the desired style.





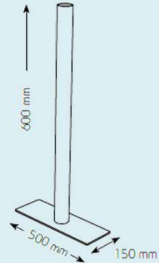
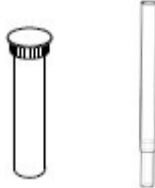
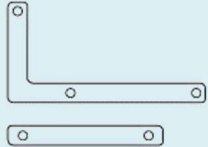
Transparent plexiglass cube

Dimensions (mm x mm)		
Small size	400 x 400 x 93	
Large size	800 x 400 x 93	



Load-bearing metal structure

Connector profiles for the first two cubes Ø outer 30 mm, inner 25 mm are included:

Dimensions (L x W x H) in mm		
Large foot support	150 mm x 500 mm x 8 mm	
Included connector	Length 10 cm	
Plastic corner and line connectors for stabilization		

Finishing cap for the last upper cube (length 10 cm) and an aluminum connector are included in the pack.

Acoustic performance

Sound absorption rating according to ISO 354

Partition composed of 6 bricks 400 x 400 x 95 mm and 9 bricks 400 x 800 x 95 mm for a total surface area of 7.68 m².

Hz	Third of an octave	Octave
100	0,28	0,40
125	0,39	
160	0,52	
200	0,70	0,75
250	0,73	
315	0,89	
400	0,90	0,95
500	0,99	
630	1,01	
800	1,00	1,00
1000	1,03	
1250	1,05	
1600	1,07	1,00
2000	1,06	
2500	1,07	
3150	1,05	1,00
4000	1,09	
5000	1,08	
α_w	1,00	
Absorption class	A	

Source: Acoustic Test M108182/04

Equivalent absorption area according to ISO 11654

Partition composed of 6 panels 400 x 400 x 95 mm and 9 panels 400 x 800 x 95 mm for a total surface area of 7.68 m².

The equivalent absorption area AT in m² of n partitions is obtained by multiplying A_{obj} as shown in the table below by the number n of partitions, i.e. AT = n x A_{obj}

Hz	Aobj (7.68 m²)
100	2,2
125	3,0
160	4,0
200	5,4
250	5,6
315	6,8
400	6,9
500	7,6
630	7,8
800	7,7
1000	7,9
1250	8,1
1600	8,2
2000	8,2
2500	8,3
3150	8,1
4000	8,4
5000	8,3

Reverberation times (s) measured during the test with all Tecsound Bricks

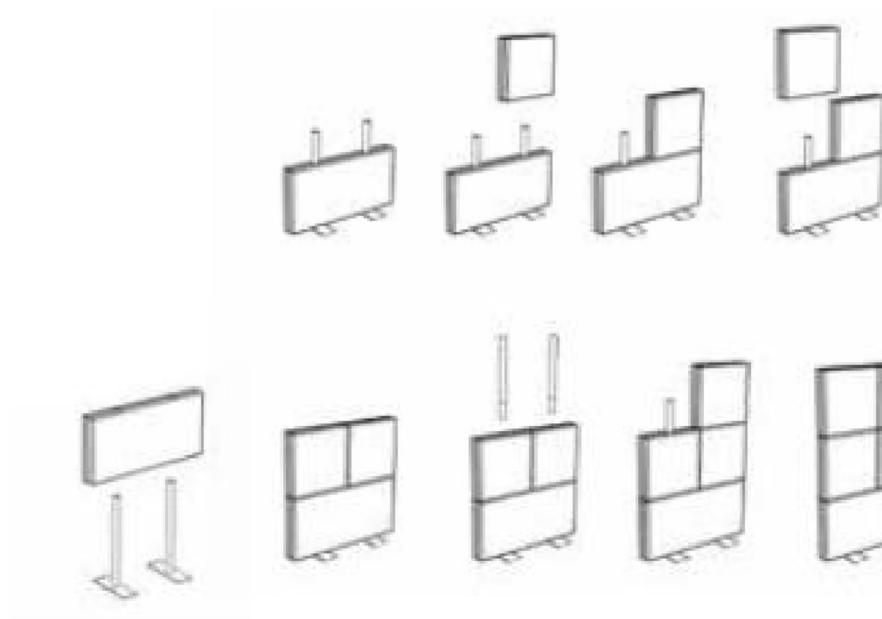
Frequency (Hz)	Empty room	Room with absorbent
		Tecsound Brick 6 panels 400 x 400 x 95 mm 9 panels 400 x 800 x 95 mm
100	5,00	3,74
125	4,50	3,16
160	5,14	3,14
200	5,51	2,86
250	5,13	2,70
315	5,13	2,45
400	5,18	2,44
500	5,33	2,36
630	5,24	2,31
800	4,98	2,27
1000	5,16	2,27
1250	5,27	2,26
1600	5,20	2,23
2000	4,66	2,14
2500	4,07	1,99
3150	3,24	1,79
4000	2,49	1,52
5000	1,89	1,27

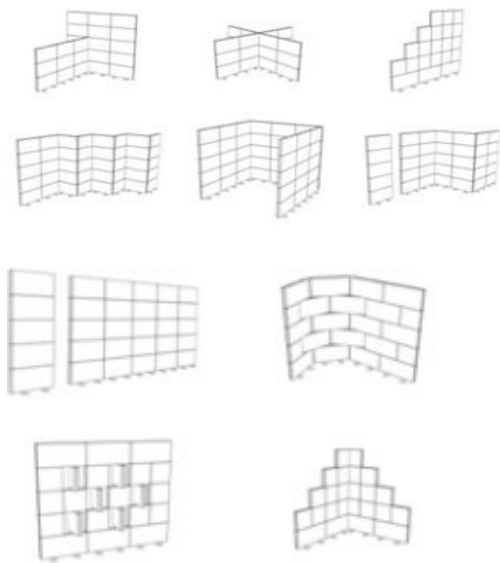
Source: Acoustic Test M108182/04

Implementation: modularity

Possibility of configuring the tailor-made modular system, one on top of the other, side by side, or staggered. It is possible to position the bricks in a straight line, curve or right angles







Environmental Characteristics



The Tecsound Bricks range is manufactured without VOC or formaldehyde emissions: an A+ rated product.

Method of application and storage conditions

The ambient temperature during installation should be between 15 and 30°C. Products must be stored in enclosed and dry places, without strong variations in humidity.

Special indications

The information given in this sheet is the result of our experience and cannot in any way engage our responsibility, given the diversity of materials found on the market and the various application processes that do not depend in any way on our field of influence. We strongly advise you to determine by prior testing on your materials and according to your specific application, whether the product meets the requirements you are entitled to request.

The material generally meets hygiene, health and environmental requirements. For further information, please refer to the Safety Data Sheet.

TECSOUND reserves the right, depending on the evolution of knowledge and techniques, to modify without prior notice the composition and conditions of use of its materials and therefore subsequently their price. Consequently, any order will only be accepted under the conditions and technical specifications in force on the day of receipt.