

Texaa®

Specification and data sheets

Stereo panels mounted on a support surface Acoustic panels



FABRIC KNITTED IN FRANCE

STEFIX2510EN

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Production lead time

3 weeks

For options: please contact us

Professionals to be consulted for fitting

General fitters and carpenters

Stereo panels mounted on a support surface

Stereo panels are available in a wide variety of modular sizes and in all of the 30 colours of the Aeria fabric range.

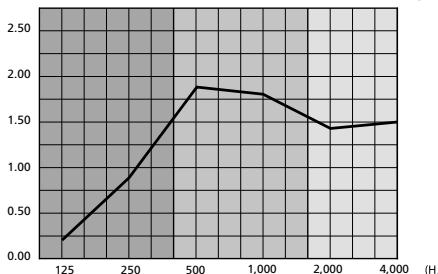
A metal frame maintains the precise geometry of the panels enabling perfect implementation in every setting.

Stereo panels are acoustically efficient when installed separately or in clusters. They can be mounted on support surfaces or suspended from ceilings. This versatility makes them suitable for all spatial configurations, managing the acoustics in localised areas or in the space as a whole.

Acoustic performance

For a 1,199 x 1,199 x 55 mm panel mounted on a support surface

Equivalent absorption area A (m²) – Spacing: 2,000 mm



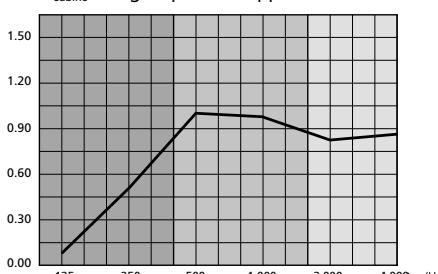
Frequencies (Hz)

125 250 500 1,000 2,000 4,000

Equivalent absorption area A (m²), spacing: 2,000 mm
Mounted on a wall or ceiling

For panels mounted on a support surface in groups on concrete

α_{Sabine} – in groups on a support surface



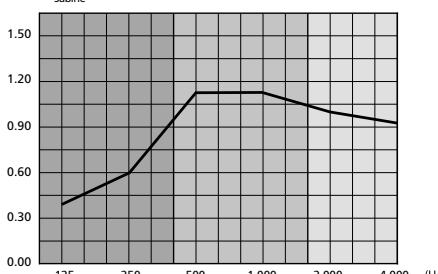
Frequencies (Hz)

α_{Sabine} – in groups on a support surface

125 250 500 1,000 2,000 4,000 α_w class NRC

For panels mounted on a support surface in groups on plasterboard screwed onto the frame and 40mm mineral wool insulation

α_{Sabine} – in groups on a support surface



Frequencies (Hz)

125 250 500 1,000 2,000 4,000 α_w class NRC

α_{Sabine} – in groups on a support surface

0,38 0,6 1,13 1,13 0,98 0,92 0,9 A 0,95

Specification

The acoustic absorption is provided by Texaa® Stereo panels which consist of:

- a rust-proof steel frame
- white AF1 wadding composed of 80% recycled material
- grey or black microporous cloth cladding
- a removable and machine-washable cover made of sound-transparent, Maille Ronde (MR) Aeria fabric (330 g/m²) which provides a run-resistant, antistatic covering on five or six faces

Durability of the fabric cover

Performance of Aeria 330 g/m² run-resistant fabric

Protection against soiling

Antistatic properties 3.10⁷ Ω/m² (ASTM D257)

Acoustic performance

- Equivalent absorption area A(m²) at mid-range frequencies: 1,199-mm x 1,199-mm x 55-mm Stereo mounted on a support surface: 1.78 m²
- Absorption coefficient α_w of connected Stereo panels mounted on a support surface in groups: $\alpha_w = 0,85$, NRC = 0,85, class B

Reaction to fire classification

European classification: Complete product: B-s1, d0

USA - ASTM E84: Class A

Environmental characteristics

- Indoor air quality (ISO 16000): A+, AgBB compliant, Indoor Air Comfort
- Contribution to environmental labels:
 - LEED: 9 to 16 points
 - BREEAM: 12.5 credits
 - DGNB: 32 to 36.4%
 - HQE: 7 targets
 - WELL: 14 credits
- Impact on climate change: 22.7 kg CO₂ eq /m²
(EPD available on our website)
- Proportion of recycled components ≥ 57%

Cleaning

Vacuum cleaning, may be removed and refitted.

Cover is removable and machine washable

Guarantee 10 years

Colours

Select from the 30 colours in the palette

Special colours available on request

Available options

- Digital printing
- Specific sizes on request (width from 300 to 1,200 mm and length from 600 to 2,400 mm; please contact us for larger sizes)

Sizes

Stereo panels mounted on a support surface



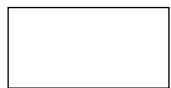
299 x 1,199 x 55 mm



299 x 1,799 x 55 mm



299 x 2,399 x 55 mm



599 x 1,199 x 55 mm



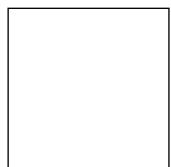
599 x 1,799 x 55 mm



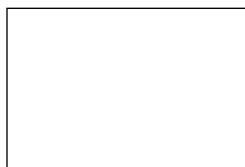
599 x 2,399 x 55 mm



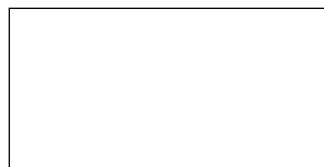
599 x 599 x 55 mm



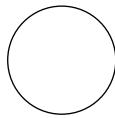
1,199 x 1,199 x 55 mm



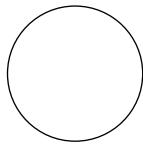
1,199 x 1,799 x 55 mm



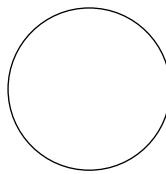
1,199 x 2,399 x 55 mm



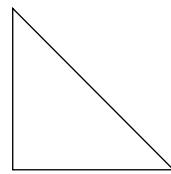
Ø 799 x 55 mm



Ø 999 x 55 mm



Ø 1,199 x 55 mm



1,199 x 1,199 x 1,696 x 55 mm

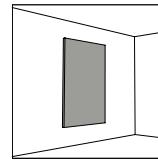
Dimensions / weight / acoustic performance [specify]

Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m ²) at mid-range frequencies
<input type="checkbox"/> 299 x 1,199 x 55	4.3	0.58
<input type="checkbox"/> 299 x 1,799 x 55	5.9	0.86
<input type="checkbox"/> 299 x 2,399 x 55	7.2	1.21
<input type="checkbox"/> 599 x 599 x 55	3.9	0.54
<input type="checkbox"/> 599 x 1,199 x 55	5.5	0.99
<input type="checkbox"/> 599 x 1,799 x 55	7.8	1.41
<input type="checkbox"/> 599 x 2,399 x 55	9.6	1.83
<input type="checkbox"/> 1,199 x 1,199 x 55	8	1.78
<input type="checkbox"/> 1,199 x 1,799 x 55	12	2.45
<input type="checkbox"/> 1,199 x 2,399 x 55	14.4	3.20
<input type="checkbox"/> Round: diameter 799 x 55	5.1	0.74
<input type="checkbox"/> Round: diameter 999 x 55	6.9	1.08
<input type="checkbox"/> Round: diameter 1,199 x 55	8.6	1.51
<input type="checkbox"/> Triangle 1,199 x 1,199 x 1,696 x 55	5.5	0.99

Fitting methods

Mounted on a support surface using a magnetic system, singly on a wall

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the wall.

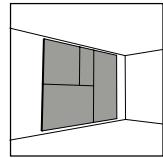
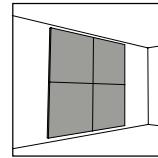


Mounted on a support surface using a magnetic system in groups on a wall

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the wall.

Caution, the knit direction for the covers varies as a function of the sizes and positioning of the panels.

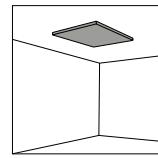
Configuration to be specified in a drawing.



Mounted on a support surface using a magnetic system, singly on a ceiling

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the ceiling.

Four safety slings secure the installation.



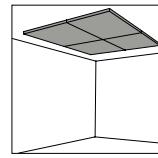
Mounted on a support surface using a magnetic system in groups on a ceiling

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the ceiling.

Four safety slings secure the installation.

Caution, the knit direction for the covers varies as a function of the sizes and positioning of the panels.

Configuration to be specified in a drawing.



Technical characteristics

Definition	Stereo
Installation	Mounted on a support surface using a magnetic system
Components	Aeria* MR / 80% recycled white AF1 wadding / grey or black microporous cloth cladding / rustproof steel frame
Colours	30 colours
Physical properties	
Light reflectance (colour Gris Nacré MR003)	81%
Durability	
Mechanical properties	
Abrasion resistance (EN 12947-, number of rubs)	> 30,000
Fraying	None
Variations in dimensions under normal conditions of temperature and humidity	None
Colour fastness ISO 105-B02 (scale from 1 to 8)	≥ 5
Antistatic properties (ASTM D257)	3.10 ⁷ Ω/m ²
Conditions of normal exposure	Relative humidity between 30% and 75% and temperature between 10°C and 30°C
Conditions of exceptional exposure	Relative humidity between 20% and 90% and temperature between 10°C and 30°C
Mechanical strength of the fastenings (EN 12385-4)	15 kg / fixing point
Health and safety	
Reaction to fire classification	
Europe NF EN 13501-1	Complete product B-s1,d0
USA ASTM E84	Class A
Development of micro-organisms	The materials used reduce the proliferation of house dust mites and micro-organisms
Environmental characteristics	
VOC and formaldehyde emissions (ISO 16000)	
French health labelling & in accordance with German protocol AgBB / Indoor Air Comfort label	A+ / Compliant / Standard
Contribution to environmental labels	LEED: 9 to 16 points BREEAM: 12.5 credits DGNB: 32 to 36.4% HQE: 7 targets WELL: 14 credits
Impact on climate change (EN 15804)	
Product Declarations (EPD) on texaa.com	22.7 kg CO ₂ eq /m ²
Proportion of recycled components	≥ 57 %
Servicing	
Method	Vacuum clean every one to five years, depending on conditions of use** Cover is removable and machine-washable at 30°C, dry flat

* Texaa®'s internationally patented Aeria sound-transparent fabric / ** refer to the cleaning and maintenance sheets

Texaa® is a privately-owned company with 50 employees. Informed by continuous contact with architects and professionals in the building industry, we design, manufacture and distribute solutions to enhance the acoustic comfort of the spaces in which people live and work. **Texaa®** products are technically sophisticated, sensitive and hard-wearing. Their hallmark is the textile in which they are clad: **Aeria*** is knitted in our workshop near Bordeaux in a palette of 30 colours. Since 1978, it has been our pride and delight to play our part in developing quality architecture in France, Europe, USA and beyond.

*our sound-transparent textile with an exclusive **Texaa®** patent

**Updates at
www.texaa.com**

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