Texaa®

Specification and data sheets

Stereo panels as a suspended partition

Acoustic panels

THE EXCELLENCE OF FRENCH SAVOIR-FAIRE • ENTREPRISE DU PATRIMOINE VIVANT •

FABRIC KNITTED IN FRANCE

STESEP2510EN

Production lead time

3 weeks
For options: please contact us

Professionals to be consulted for fitting

General fitters and carpenters

Stereo panels as a suspended partition

Many contemporary buildings feature large open spaces that require specific measures to manage their acoustics.

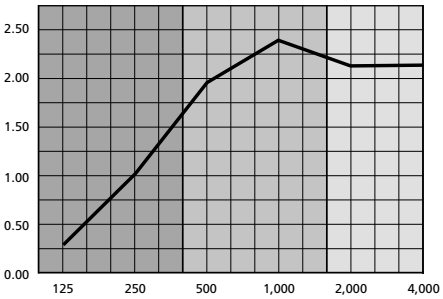
In spaces such as these, Stereo panels can achieve acoustic and visual demarcation by creating sub-spaces within the main space.

The combination of panel shapes and fitting methods offers a wide range of modular solutions that can be easily tailored to the character of any project.

Acoustic performance

For a 1,199 x 1,199 x 55 mm panel as a suspended partition

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 Panels as a suspended partition	0,30	1,01	1,97	2,38	2,15	2,16

Test reports available on request – Standard NF EN 20354 / ISO 354

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 with a zip fastening made of sound-transparent, Maille Ronde (MR) Aeria fabric (330 g/m²) which provides a run-resistant, antistatic covering on all surfaces

Durability of the fabric cover
Performance of Aeria 330 g/m² run-resistant fabric

Protection against soiling
Antistatic properties 3.10^7 Ω/m² (ASTM D257)

Acoustic performance
Stereo suspended panels 1,199 x 1,199 x 55 mm
Equivalent absorption area A (m²) at mid-range frequencies: 2.12 m²

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 CO_2 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

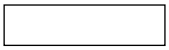
Guarantee 10 years

Colours
Select from the 30 colours in the palette
Special colours available on request

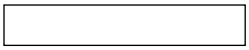
Available options
☐ Digital printing
☐ Specific sizes on request (width from 300 to 1,200 mm and length from 600 to 2,400 mm; please contact us for larger sizes)

Sizes

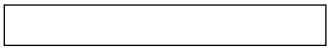
Stereo panels suspended as partitions



299 x 1,199 x 55 mm*



299 x 1,799 x 55 mm*



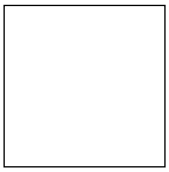
299 x 2,399 x 55 mm*

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

*only for 299-mm sizes, horizontal

Dimensions / weight / acoustic performance [specify]

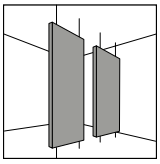
Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies
☐ 299 x 1,199 x 55	4.4	0.57
☐ 299 x 1,799 x 55	6.1	0.79
☐ 299 x 2,399 x 55	7.4	-
☐ 599 x 599 x 55	4	-
☐ 599 x 1,199 x 55	5.7	1.17
☐ 599 x 1,799 x 55	8.2	1.67
☐ 599 x 2,399 x 55	9.1	2.26
☐ 1,199 x 1,199 x 55	8.5	2.12
☐ 1,199 x 1,799 x 55	12.7	2.93
☐ 1,199 x 2,399 x 55	15.4	3.95

Fitting methods

□ Suspended between ceiling and floor on through cables

Each **Stereo** panel is suspended between ceiling and floor using 2 stainless steel cables running through the panels. The cables, 4 mm in diameter and 4,500 mm long, are each fitted with two threaded end-pieces (M6) one of which can be rotated to adjust the length of the cable during fitting.

NB: to allow correct cable tensioning the cables should be anchored into concrete.

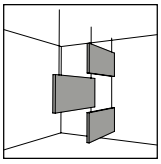


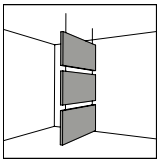
Bottom of the cable

Cable clamp beneath the panel for height adjustment

□ Suspended in clusters using through cables

Each **Stereo** panel is suspended vertically from the ceiling by means of 2 cables made of galvanised steel (diameter 1 mm, length 3,000 mm) fitted with a small cylindrical cover and running through adjustable sliders. Several panels may be suspended from the same cables, one above the other. A finishing cover is fitted to the cable where it emerges from each panel. The cables are not secured to the floor.





Finishing cover

Adjustable slider

Technical characteristics

Definition	Stereo
Installation	Suspended
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/m²
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 /m²
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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