

**Texaa®**

Specification and data sheets

# **Stereo panels as a suspended partition**

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### **Production 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.

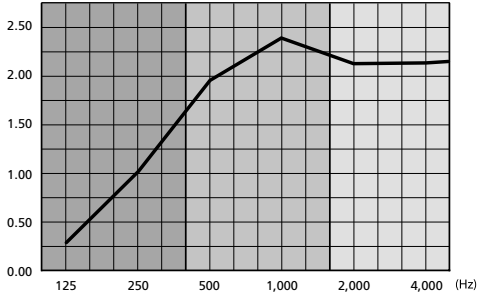
In spaces such as these, Stereo panels can achieve acoustic and visual demarcation by creating sub-spaces within the main space.

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 (m<sup>2</sup>)  
Spacing: 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m <sup>2</sup> ) 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 suspended partitions made up of **Texaa® Stereo** panels which consist of:

- a rust-proof steel frame
- fully recycled white AF1 wadding
- 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/m<sup>2</sup>)** which provides a run-resistant, antistatic and dirt-repellent covering on all surfaces

## Durability of the fabric cover

Performance of **Aeria 330 g/m<sup>2</sup> run-resistant fabric**

Protection against soiling:

**Hydro/Oleophobic**  $\geq 5$  (AATCC118 and AATCC193)

**Electrostatic properties**  $7.10^{10}\Omega$  (EN 1149-1)

## Acoustic performance

Stereo suspended panels 1,199 x 1,199 x 55 mm

Equivalent absorption area A (m<sup>2</sup>) at mid-range frequencies: 2.12 m<sup>2</sup>

## European reaction to fire classification

Complete product: B-s2, d0

United States ASTM Class A

## Environmental characteristics

HQE: EPD (EN 15804) – Environmental and Health Product Declarations certified by AFNOR

LEED / BREEAM:

4 points for  $\left\{ \begin{array}{l} - \text{acoustic contribution} \\ - \text{certified EPD (EN 15804)} \\ - \text{very low VOC (Volatile Organic Compounds) and formaldehyde emissions.} \end{array} \right.$

Impact on climate change: 22.7 kg CO<sub>2</sub> eq /m<sup>2</sup>

Proportion of recycled components  $\geq 57$

## Cleaning

Vacuum cleaning. May be dismantled and reassembled.

Cover is removable and machine washable.

## Guarantee

10 years

## Colours

Select from the 30 colours in the palette

Special colours available on request

## Common options

Embroidery

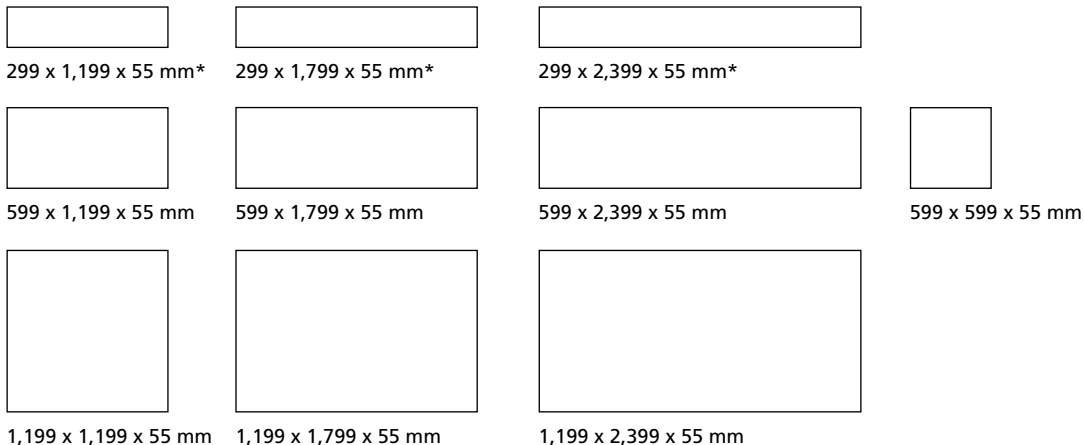
Specific sizes on request

(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



\*only for 299-mm sizes, horizontal

## Dimensions / weight / acoustic performance [specify]

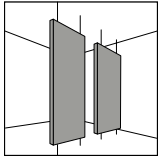
Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m <sup>2</sup> ) at mid-range frequencies
□ 299 x 1,199 x 55	4.4	0.57
□ 299 x 1,799 x 55	6.1	0.79
□ 299 x 2,399 x 55	7.4	-
□ 599 x 599 x 55	4	-
□ 599 x 1,199 x 55	5.7	1.17
□ 599 x 1,799 x 55	8.2	1.67
□ 599 x 2,399 x 55	9.1	2.26
□ 1,199 x 1,199 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.



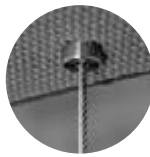
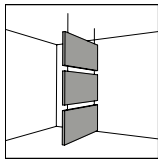
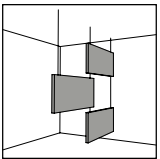
Bottom of the cable



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

# Aeria - cleaning guidelines

To protect the fresh colour of your **Aeria** fabric, we advise you to clean it regularly by:

- removing dust with a soft brush and vacuum cleaner
- using an absorbent cloth to soak up spilt liquids
- cleaning marks or stains quickly, before they have time to dry and become harder to remove

**Aeria** is treated with a water-repellent product, so any stains can usually be removed by gentle dabbing. Never rub the fabric.

**If a stain proves harder to remove, please follow the instructions below:**

## **For water-based liquids (tea, coffee, soft drinks, wine, etc.)**

If the stain has penetrated the fabric, use a vacuum cleaner to remove any dust from the soiled area. Then, rehydrate the stain by dabbing the marked area with one hand using a cloth dampened with clean water, and dry the area with the other hand using a dry, clean absorbent cloth. If the stain persists, repeat the process using water and a little soap.

## **For oil-based liquids**

Dab the stain with a clean cloth dampened with undiluted solvent-based cleaning fluid. Remember to fold the cloth frequently, so that the stain is always in contact with a clean part of the cloth's surface.

## **For semi-solid stains, such as butter, ketchup, etc.**

Remove any remaining solid material with a spatula and proceed with the cleaning method detailed above for oil-based liquids.

## **For dye-based stains (marker pen, biro, ink, etc.)**

Dab the stain with a clean cloth dampened with a solvent such as methanol. Remember to fold the cloth frequently, so that the stain is always in contact with a clean part of the cloth's surface.

**In order to avoid the formation of rings, clean stains and marks from the outside towards the middle, and then use a hair-dryer to speed up the drying process.**



# Technical characteristics

Definition	Stereo
<b>Fitting</b>	Suspended
<b>Components</b>	<b>Aeria*</b> / fully recycled white AF1 wadding / grey or black microporous cloth / a rust-proof steel frame
<b>Colours</b>	30 colours
<b>Physical properties</b>	
<b>Light reflectance</b> (Nacre colour, MR 640)	81%
<b>Durability</b>	
<b>Mechanical properties</b>	
Abrasion resistance (EN 12947-2, 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
Electrostatic properties (EN 1149-1)	7.10 <sup>10</sup> Ω
Hydro/oleophobic AATCC 118 and AATCC 193 (scale from 1 to 8)	≥ 5
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	15 kg /fixing point (DIN EN 12385-4)
<b>Health and safety</b>	
<b>Reaction to fire classification</b>	
Europe EN for complete product	B-s2, d0
United States ASTM	Class A
<b>Environmental characteristics</b>	
<b>Development of micro-organisms</b>	the materials used reduce the proliferation of house dust mites and micro-organisms
<b>HQE® High Quality Environmental standard</b> (standard EN 15804)	AFNOR-certified environmental product declaration
<b>VOC and formaldehyde emissions</b> (ISO 16000) French health labelling / in accordance with German protocol AgBB	A+ / compliant
<b>Contribution to LEED/BREEAM certification</b> – certified EPD – air emissions – acoustic contribution	4 points
<b>Impact on climate change</b>	22.7 kg CO <sub>2</sub> eq /m <sup>2</sup>
<b>Proportion of recycled components</b>	≥ 57 %
<b>Cleaning</b>	
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 a staff of fifty-five. Informed by continuous contact with designers and professionals in the building industry, we conceive, 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, the US and beyond.

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

## Updates at [www.texaa.co.uk](http://www.texaa.co.uk)

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**Texaa®**  
textile, acoustics, architecture

**United Kingdom**  
Becket House  
1 Lambeth Palace Road  
London SE1 7EU

- - -

+44 (0) 20 7092 3435  
[contact@texaa.co.uk](mailto:contact@texaa.co.uk)  
[www.texaa.co.uk](http://www.texaa.co.uk)