

**Texaa®**

Specification and data sheets

# **Stereo suspended panels**

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### **Production time**

3 weeks

For options: please contact us

### **Professionals to be consulted for fitting**

General fitters and carpenters

# Stereo suspended panels

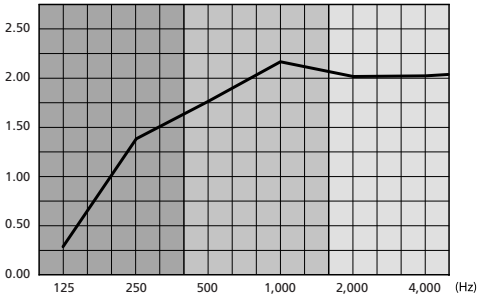
**Stereo** panels are available in a wide variety of modular sizes and in all of the 30 colours of the **Aeria** fabric range. A metal frame maintains the precise geometry of the panels enabling perfect implementation in every setting.

**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 single suspended panel

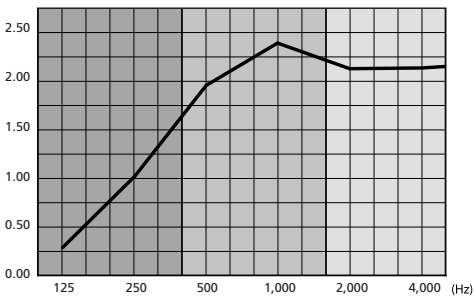
Equivalent absorption area A(m<sup>2</sup>)  
Spacing: 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m <sup>2</sup> ) Spacing: 2,000 mm						
Suspended 300 mm below the ceiling	0.30	1.37	1.76	2.19	2.03	2.04

## For a 1,199 x 1,199 x 55 mm panel, suspended as a baffle

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						
Suspended from the ceiling as a baffle	0.30	1.01	1.97	2.38	2.15	2.16

# Specification

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

- an Aluzinc® steel frame, treated to improve its resistance to corrosion
- fully recycled white AF1 wadding
- grey or black microporous cloth cladding
- a removable and machine-washable cover 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 five or six faces

## 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

– Equivalent absorption area  $A(m^2)$  at mid-range frequencies: 1,199-mm x 1,199-mm x 55-mm Stereo suspended panel:  $2 m^2$

– Absorption coefficient  $\alpha_w$  of connected Stereo panels in clusters:  $\alpha_w = 1$ , NRC = 1, class A.

## Reaction to fire classification

European 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:  $22.7 \text{ kg CO}_2 \text{ eq /m}^2$

Proportion of recycled components  $\geq 57\%$

## 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

- Recess for integrated light fitting, loudspeaker, etc.
- 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)
- Access hatch
- Channels for cables to run through
- Cable 3,000 mm
- Embroidery

# Sizes

## Stereo single suspended panels



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



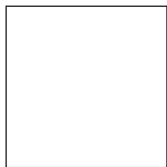
599 x 1,799 x 55 mm



599 x 2,399 x 55 mm



599 x 599 x 55 mm



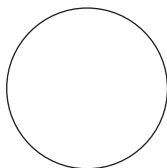
1,199 x 1,199 x 55 mm



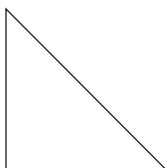
1,199 x 1,799 x 55 mm



1,199 x 2,399 x 55 mm



Ø 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 <sup>2</sup> ) at mid-range frequencies
□ 299 x 1,199 x 55	4.3	-
□ 299 x 1,799 x 55	5.9	-
□ 299 x 2,399 x 55	7.2	-
□ 599 x 599 x 55	3.9	-
□ 599 x 1,199 x 55	5.5	1.06
□ 599 x 1,799 x 55	7.8	1.52
□ 599 x 2,399 x 55	9.6	2.03
□ 1,199 x 1,199 x 55	8	2.00
□ 1,199 x 1,799 x 55	12	2.86
□ 1,199 x 2,399 x 55	14.4	3.80
□ Round: diameter 1,199 x 55	8.6	1.62
□ Triangle 1,199 x 1,199 x 1,696 x 55	5.5	1.08

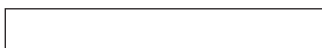
## Stereo panels suspended as baffles



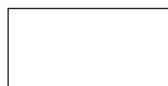
299 x 1,199 x 55 mm\*



299 x 1,799 x 55 mm\*



299 x 2,399 x 55 mm\*



599 x 1,199 x 55 mm



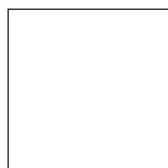
599 x 1,799 x 55 mm



599 x 2,399 x 55 mm



599 x 599 x 55 mm



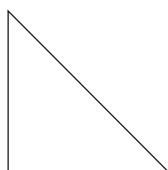
1,199 x 1,199 x 55 mm



1,199 x 1,799 x 55 mm



1,199 x 2,399 x 55 mm



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

\*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
□ triangle 1,199 x 1,199 x 1,696 x 55	5.7	-

**Suspended on vertical cables and connected together (see Strato).**



**Dimensions / weight / acoustic performance [specify]**

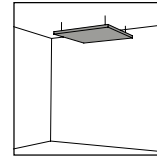
Dimensions (mm)	Weight (kg)	Sound absorption coefficient $\alpha_w$
□ 299 x 1,199 x 55-mm absorber panel	4.3	-
□ 299 x 1,799 x 55-mm absorber panel	5.9	-
□ 299 x 2,399 x 55-mm absorber panel	7.2	-
□ 599 x 599 x 55-mm absorber panel	3.9	-
□ 599 x 1,199 x 55-mm absorber panel	5.5	-
□ 599 x 1,799 x 55-mm absorber panel	7.8	-
□ 599 x 2,399 x 55-mm absorber panel	9.6	-
□ 1,199 x 1,199 x 55-mm absorber panel	8	1
□ 1,199 x 1,799 x 55-mm absorber panel	12	-
□ 1,199 x 2,399 x 55-mm absorber panel	14.4	-



# Fitting methods

## Suspended singly from vertical cables

Each **Stereo** panel is suspended horizontally from the ceiling by means of 4 vertical cables made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a small cylindrical cover and an adjustable eye hook with a latch.



## Optional fabric covering for top face

## Embroidery option

## Cable 3,000 mm option

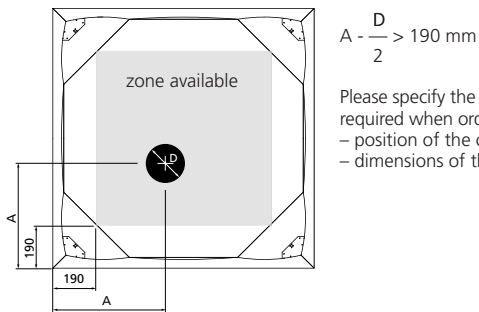
## Channels for cables to run through option

## Specific sizes on request option

Width from 300 to 1,200 mm and length from 600 to 2,400 mm, please contact us for larger sizes.

## Optional recess for integrated light fitting, loudspeaker, etc.

The recess must be positioned within the grey zone, as shown below.

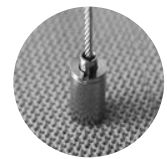
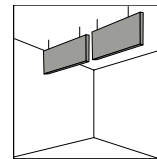


Please specify the exact dimensions of the recess required when ordering:

- position of the centre of the recess required
- dimensions of the recess required (< 600 mm)

## Suspended from the ceiling as a baffle using 2 or 3 vertical cables

Each **Stereo** panel is suspended vertically from the ceiling by means of 2 or 3 cables, depending on panel dimensions, made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a small cylindrical cover and running through adjustable sliders.



Adjustable slider

## Embroidery option

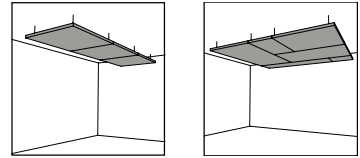
## Cable 3,000 mm option

## Specific sizes on request option

Width from 300 to 1,200 mm and length from 600 to 2,400 mm, please contact us for larger sizes.

**Suspended separately, connected together (C.f. Strato) or as baffles**

Each Stereo panel is suspended horizontally from the ceiling by means of 4 vertical cables made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a small cylindrical cover and an adjustable eye hook with a latch. The panels are connected together with linking brackets.



Configuration to be specified in a drawing.

**Top face covered option**

**Embroidery option**

**Cable 3,000 mm option**

**Channels for cables to run through option**

**Specific sizes on request option**

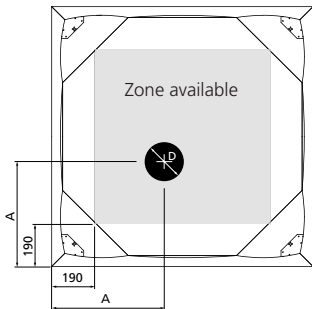
Width from 300 to 1,200 mm and length from 600 to 2,400 mm, please contact us for larger sizes.

**Combination option (panels with different sizes)**

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

**Optional space for integrated light fitting, loudspeaker, etc.**

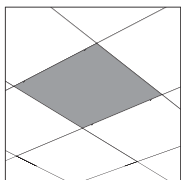
The space must be positioned within the grey zone, as shown below.



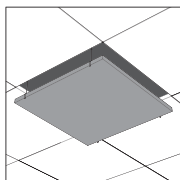
$$A - \frac{D}{2} > 190 \text{ mm}$$

The exact dimensions of the space required should be specified when ordering:  
 – position of the centre of the space required  
 – dimensions of the space required (< 600 mm)

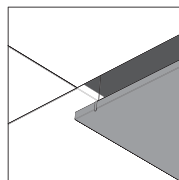
**Access hatch options**



Closed hatch



Opened hatch



Opened hatch (detail)

# 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 singly, joined or as a baffle
<b>Components</b>	<b>Aeria*</b> / fully recycled white AF1 wadding / grey or black microporous cloth / Aluzinc® 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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