Texaa®

Specification and data sheets

Stereo suspended panels

Acoustic panels

FABRIC KNITTED IN FRANCE

Production lead 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.

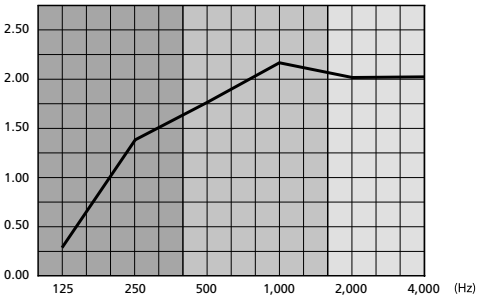
A metal frame maintains the precise geometry of the panels enabling perfect implementation in every setting.

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

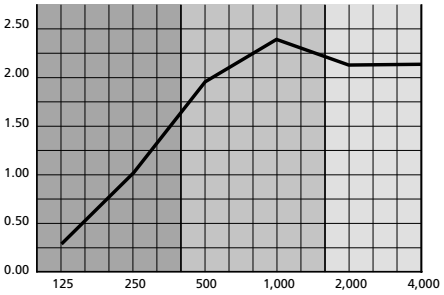
Equivalent absorption area A(m²)
Spacing: 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m²) Spacing: 2,000 mm						
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(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						
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:
– 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 3.10^7 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 suspended panel: 2 m²
– Absorption coefficient α_w of connected Stereo panels in clusters:
  α_w = 1, NRC = 1, class A.

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
☐ 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
☐ 3,000 mm cable
☐ Digital printing

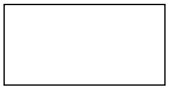
Sizes

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

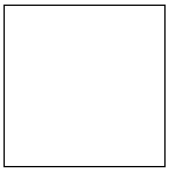


599 x 1,199 x 55 mm

599 x 1,799 x 55 mm

599 x 2,399 x 55 mm

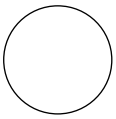
599 x 599 x 55 mm



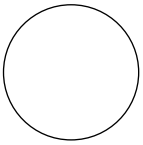
1,199 x 1,199 x 55 mm

1,199 x 1,799 x 55 mm

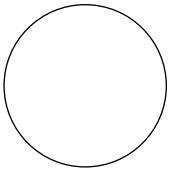
1,199 x 2,399 x 55 mm



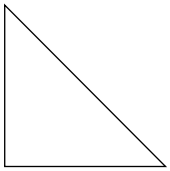
Ø 799 x 55 mm



Ø 999 x 55 mm



Ø 1199 x 55 mm



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

Dimensions / weight / acoustic performance [specify]

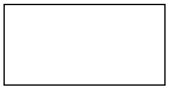
Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies
☐ 299 x 1,199 x 55	4.3	0.63
☐ 299 x 1,799 x 55	5.9	0.89
☐ 299 x 2,399 x 55	7.2	1.23
☐ 599 x 599 x 55	3.9	0.57
☐ 599 x 1,199 x 55	5.5	1.06
☐ 599 x 1,799 x 55	7.8	1.52
☐ 599 x 2,399 x 55	9.6	2.03
☐ 1,199 x 1,199 x 55	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 799 x 55	5.1	0.76
☐ Round: diameter 999 x 55	6.9	1.13
☐ 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*

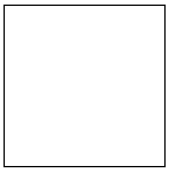


599 x 1,199 x 55 mm

599 x 1,799 x 55 mm

599 x 2,399 x 55 mm

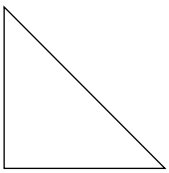
599 x 599 x 55 mm



1,199 x 1,199 x 55 mm

1,199 x 1,799 x 55 mm

1,199 x 2,399 x 55 mm



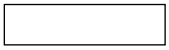
1,199 x 1,199 x 1,696 x 55 mm

*only for 299-mm sizes, horizontal

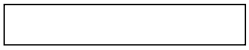
Dimensions / weight / acoustic performance [specify]

Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^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
☐ triangle 1,199 x 1,199 x 1,696 x 55	5.7	-

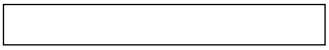
Suspended on vertical cables and connected together (see Strato).



299 x 1,199 x 55 mm



299 x 1,799 x 55 mm



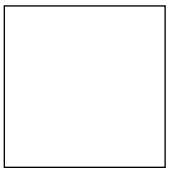
299 x 2,399 x 55 mm

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

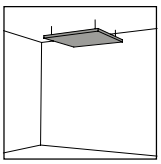
Dimensions / weight / acoustic performance [specify]

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

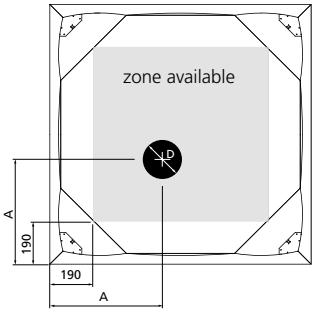
Fitting methods

☐ 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**
- ☐ **Digital printing**
- ☐ **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.

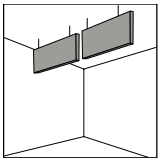


$$A - \frac{D}{2} > 190 \text{ mm}$$

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

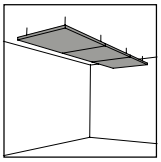
Each **Stereo** panel is suspended vertically from the ceiling by means of 2 or 3 cables, depending on panel dimensions, made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a small cylindrical cover and running through adjustable sliders.

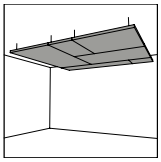


Adjustable slider

- ☐ **Digital printing**
- ☐ **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**

☐ **Digital printing**

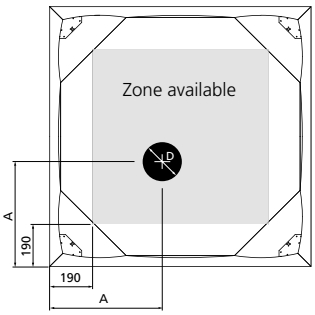
☐ **Cable 3,000 mm option**

☐ **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.

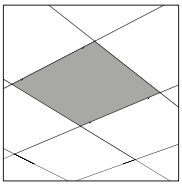
☐ **Optional space for integrated light fitting, loudspeaker, etc.**
The space must be positioned within the grey zone, as shown below.

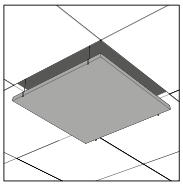


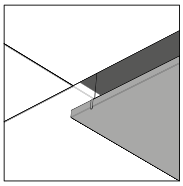
$$A - \frac{D}{2} > 190 \text{ mm}$$

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)

Technical characteristics

Definition	Stereo
Installation	suspended singly, joined or as a baffle (cf. Strato)
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

Texaa®

textile, acoustics, architecture

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

+44 (0) 20 7092 3435
contact@texaa.co.uk
www.texaa.com

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