

Texaa®

Specification and data sheets

Stereo panels: special solutions

Acoustic panels



FABRIC KNITTED IN FRANCE

STEHG2510EN

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Production lead time

4 to 8 weeks

Professionals to be consulted for fitting

General fitters and carpenters

Stereo panels - special solutions

Our special solutions provide the opportunity to customise products a little more than what is offered in our standard range.

These tried-and-tested variants provide reliable technical solutions which can be costed easily by your Texaa contact and delivered within four to eight weeks.

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 $3.10^7 \Omega/\text{m}^2$ (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

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 $\geq 57\%$

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

- 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 and acoustic performance

Stereo panels - special solutions

Suspended under horizontal cables

Suspended overlapping on vertical cables



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



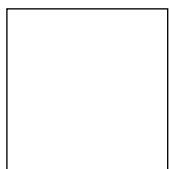
599 x 1,799 x 55 mm



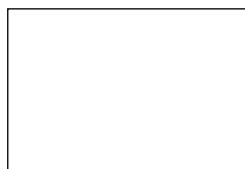
599 x 2,399 x 55 mm



599 x 599 x 55 mm



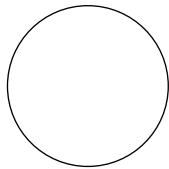
1,199 x 1,199 x 55 mm



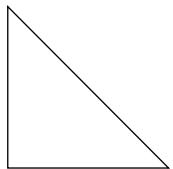
1,199 x 1,799 x 55 mm



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]

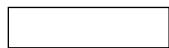
Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m ²) at mid-range frequencies
<input type="checkbox"/> 299 x 1,199 x 55	4.3	-
<input type="checkbox"/> 299 x 1,799 x 55	5.9	-
<input type="checkbox"/> 299 x 2,399 x 55	7.2	-
<input type="checkbox"/> 599 x 599 x 55	3.9	-
<input type="checkbox"/> 599 x 1,199 x 55	5.5	1.06
<input type="checkbox"/> 599 x 1,799 x 55	7.8	1.52
<input type="checkbox"/> 599 x 2,399 x 55	9.6	2.03
<input type="checkbox"/> 1,199 x 1,199 x 55	8	2.00
<input type="checkbox"/> 1,199 x 1,799 x 55	12	2.86
<input type="checkbox"/> 1,199 x 2,399 x 55	14.4	3.80
<input type="checkbox"/> Round: diameter 1,199 x 55	8.6	1.62
<input type="checkbox"/> Triangle 1,199 x 1,199 x 1,696 x 55	5.5	1.08

Sizes and acoustic performance

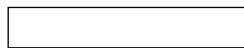
Stereo panels - special solutions

Suspended on vertical cables, against a wall

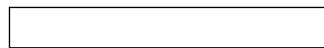
Mounted on vertical metal surfaces with magnets



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



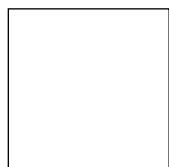
599 x 1,799 x 55 mm



599 x 2,399 x 55 mm



599 x 599 x 55 mm



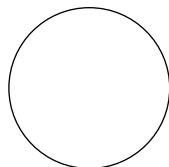
1,199 x 1,199 x 55 mm



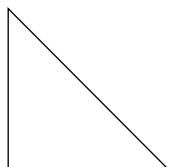
1,199 x 1,799 x 55 mm



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

Stereo panels - special solutions

As screw-mounted 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

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	4.4	0.57
<input type="checkbox"/> 299 x 1,799 x 55	6.1	0.79
<input type="checkbox"/> 299 x 2,399 x 55	7.4	-
<input type="checkbox"/> 599 x 599 x 55	4	-
<input type="checkbox"/> 599 x 1,199 x 55	5.7	1.17
<input type="checkbox"/> 599 x 1,799 x 55	8.2	1.67
<input type="checkbox"/> 599 x 2,399 x 55	9.1	2.26

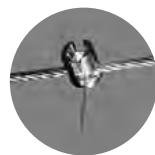
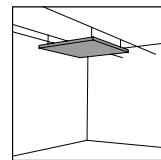
Fitting methods

Suspended under horizontal cables

Each **Stereo** panel is suspended under 2 horizontal cables (not supplied) using 4 vertical cables (diameter 1 mm, length 1,000 mm) made of galvanized steel, each fitted with a cross-shaped stainless steel cable clamp and an adjustable hook.

The cross-shaped cable clamp is compatible with horizontal cables 2 to 6 mm in diameter.

Optional fabric covering for top face



Cross-shaped cable clamp

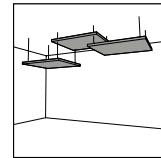
Suspended overlapping from vertical cables

Each **Stereo** panel is suspended horizontally from the ceiling by means of vertical cables made of galvanised steel (diameter 1 mm, length 3,000 mm) fitted with a small cylindrical cover. Several panels can be positioned up and down the same cables, one above another. Covers are applied to the end of each cable, when they are installed.

Please specify configuration in a drawing.

The option of covering the top face is recommended in two cases:

- when in the chosen configuration, the top face of the panels is visible
- the panels are close to one another (reflection of light)



Adjustable slider

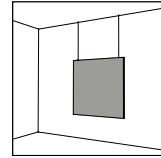


Finishing cover

Suspended on vertical cables against a wall

Each **Stereo** panel is suspended vertically from a rail using cables (diameter 1.5 mm, length 1,500 mm) made of galvanized steel, each fitted with a spherical end-piece. The rear of each panel is equipped with two adjustable sliders.

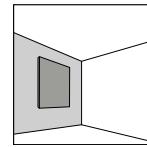
- White powder-coated aluminium rails, length 2,000 mm



□ **Mounted on vertical metal surfaces with magnets**

Each **Stereo** panel can be mounted on metal furniture or partitions using 8 mm-thick thick magnets.

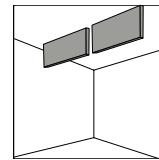
NB: ensure that the support surface used is compatible with the magnets



□ **As a screw-mounted baffle**

Each **Stereo** panel is attached to a 20-mm high support rail secured to the ceiling with screws.

NB: Fitting/removal requires a 20-mm gap on one side of the panel.



The head engages in the rail
screwed to the ceiling

Technical characteristics

Definition	Stereo
Installation	Suspended or screw-mounted
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)	$3.10^7 \Omega/m^2$
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)	22.7 kg CO ₂ eq /m ²
Product Declarations (EPD) on texaa.com	
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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