Texaa®

Specification and data sheets

Stereo

acoustic panels

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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.

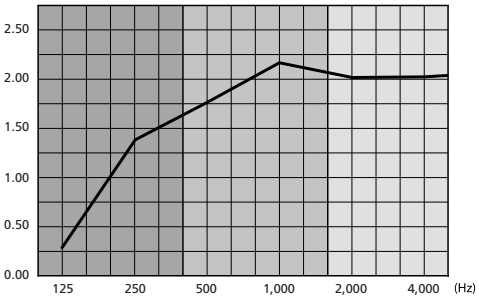
A metal frame maintains the precise geometry of the panels enabling perfect implementation in every setting.

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

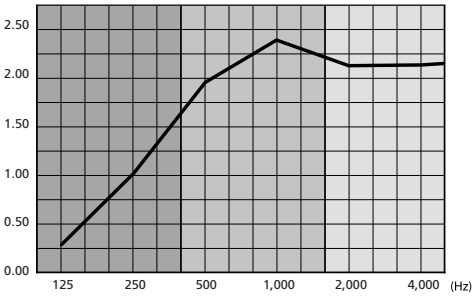
Equivalent absorption area A(m^2)
Spacing: 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m^2) 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^2)
Spacing: 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m^2) 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
– 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/m²)** 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/m² run-resistant fabric**
Protection against soiling:
Hydro/Oleophobic ≥ 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 α_w of connected Stereo panels in clusters: α_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
– acoustic contribution
– certified EPD (EN 15804)
– very low VOC (Volatile Organic Compounds) and formaldehyde emissions.

Impact on climate change: 22.7 kg CO_2 eq /m²

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
☐ Cable 3,000 mm
☐ Embroidery

Sizes

Stereo single suspended panels

299 x 1,199 x 55 mm

299 x 1,799 x 55 mm

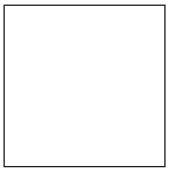
299 x 2,399 x 55 mm

599 x 1,199 x 55 mm

599 x 1,799 x 55 mm

599 x 2,399 x 55 mm

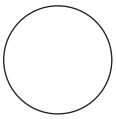
599 x 599 x 55 mm



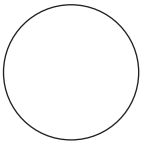
1,199 x 1,199 x 55 mm

1,199 x 1,799 x 55 mm

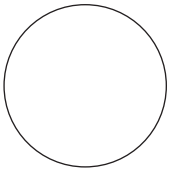
1,199 x 2,399 x 55 mm



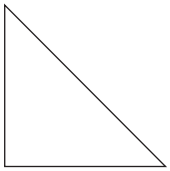
Ø 799 x 55 mm



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*

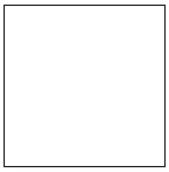
299 x 2,399 x 55 mm*

599 x 1,199 x 55 mm

599 x 1,799 x 55 mm

599 x 2,399 x 55 mm

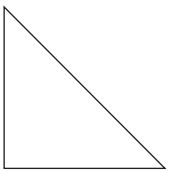
599 x 599 x 55 mm



1,199 x 1,199 x 55 mm

1,199 x 1,799 x 55 mm

1,199 x 2,399 x 55 mm



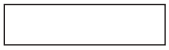
1,199 x 1,199 x 1,696 x 55 mm

*only for 299-mm sizes, horizontal

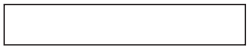
Dimensions / weight / acoustic performance [specify]

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	-

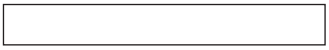
Suspended on vertical cables and connected together (see Strato).



299 x 1,199 x 55 mm



299 x 1,799 x 55 mm



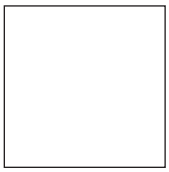
299 x 2,399 x 55 mm

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

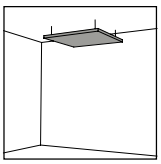
Dimensions / weight / acoustic performance [specify]

Dimensions (mm)	Weight (kg)	Sound absorption coefficient α_w
☐ 299 x 1,199 x 55-mm absorber panel	4.3	-
☐ 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	-

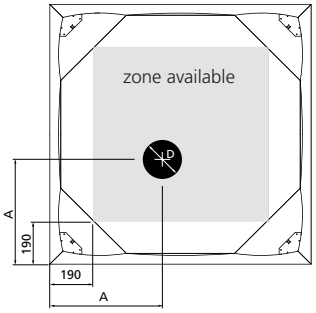
Fitting methods

☐ 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.

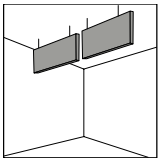


$$A - \frac{D}{2} > 190 \text{ mm}$$

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

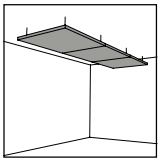
Each **Stereo** panel is suspended vertically from the ceiling by means of 2 or 3 cables, depending on panel dimensions, made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a small cylindrical cover and running through adjustable sliders.

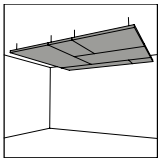


Adjustable slider

- ☐ **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**

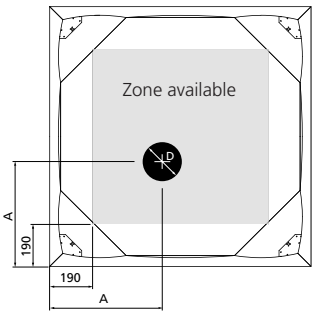
☐ **Cable 3,000 mm option**

☐ **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.

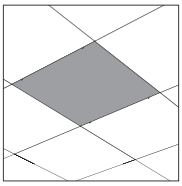
☐ **Optional space for integrated light fitting, loudspeaker, etc.**
The space must be positioned within the grey zone, as shown below.

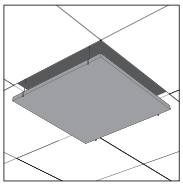


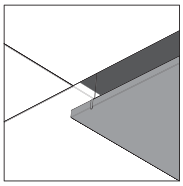
$$A - \frac{D}{2} > 190 \text{ mm}$$

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
Fitting	suspended singly, joined or as a baffle
Components	**Aeria*** / fully recycled white AF1 wadding / grey or black microporous cloth / a rust-proof steel frame
Colours	30 colours
Physical properties	
Light reflectance (Nacre colour, MR 640)	81%
Durability	
Mechanical properties	
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)	$7.10^{10}\Omega$
Hydro/oleophobic AATCC118 and AATCC193 (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)
Health and safety	
Reaction to fire classification	
Europe EN for complete product	B-s2, d0
United States ASTM	Class A
Environmental characteristics	
Development of micro-organisms	the materials used reduce the proliferation of house dust mites and micro-organisms
HQE® High Quality Environmental standard (standard EN 15804)	AFNOR-certified environmental product declaration
VOC and formaldehyde emissions (ISO 16000) French health labelling / in accordance with German protocol AgBB	A+ / compliant
Contribution to LEED/BREEAM certification – certified EPD – air emissions – acoustic contribution	4 points
Impact on climate change	22.7 kg CO_2 eq /m²
Proportion of recycled components	≥ 57 %
Cleaning	
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

Stereo panels mounted on a support surface

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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 mounted on a support surface

Stereo panels are available in a wide variety of modular sizes and in all of the 30 colours of the **Aeria** fabric range.

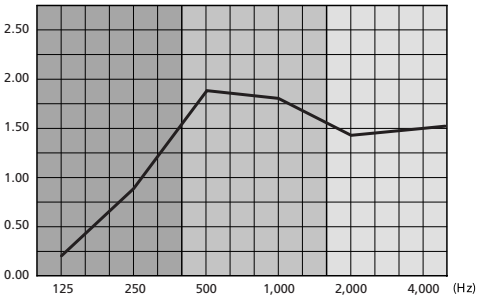
A metal frame maintains the precise geometry of the panels enabling perfect implementation in every setting.

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 panel mounted on a support surface

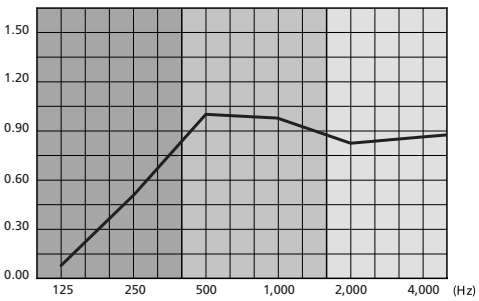
Equivalent absorption area A (m^2)
Spacing: 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m2) Spacing: 2,000 mm						
Mounted on a wall or ceiling	0.20	0.88	1.87	1.78	1.43	1.50

For a 1,199 x 1,199 x 55 mm panel mounted on a support surface in groups

α_{Sabine} – in groups on a support surface



Frequencies (Hz)	125	250	500	1,000	2,000	4,000	α_w	class	NRC
α_{Sabine} – in groups on a support surface	0.09	0.49	0.99	0.97	0.85	0.87	0.85	B	0.85

Specification

The acoustic absorption is provided by **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 made of sound-transparent, **Maille Ronde (MR) Aeria fabric (330 g/m²)** which provides a run-resistant, antistatic and dirt-repellent covering on five faces

Durability of the fabric cover
Performance of **Aeria 330 g/m² run-resistant fabric**
Protection against soiling:
Hydro/Oleophobic ≥ 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 mounted on a support surface: 1.78 m^2
– Absorption coefficient α_w of connected Stereo panels mounted on a support surface in groups: α_w = 0,85, NRC = 0,85, class B.

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
– acoustic contribution
– certified EPD (EN 15804)
– very low VOC (Volatile Organic Compounds) and formaldehyde emissions.

Impact on climate change: 22.7 kg CO_2 eq /m²

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

Common options
☐ Embroidery option
☐ 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 mounted on a support surface

299 x 1,199 x 55 mm

299 x 1,799 x 55 mm

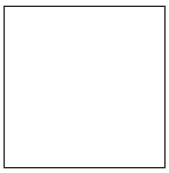
299 x 2,399 x 55 mm

599 x 1,199 x 55 mm

599 x 1,799 x 55 mm

599 x 2,399 x 55 mm

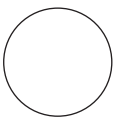
599 x 599 x 55 mm



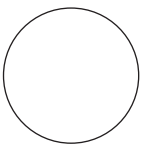
1,199 x 1,199 x 55 mm

1,199 x 1,799 x 55 mm

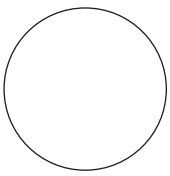
1,199 x 2,399 x 55 mm



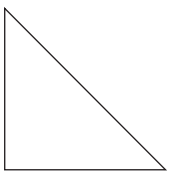
Ø 799 x 55 mm



Ø 999 x 55 mm



Ø 1,199 x 55 mm



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

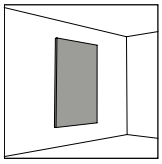
Dimensions / weight / acoustic performance [specify]

Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies
☐ 299 x 1,199 x 55	4.3	0.58
☐ 299 x 1,799 x 55	5.9	0.86
☐ 299 x 2,399 x 55	7.2	1.21
☐ 599 x 599 x 55	3.9	0.54
☐ 599 x 1,199 x 55	5.5	0.99
☐ 599 x 1,799 x 55	7.8	1.41
☐ 599 x 2,399 x 55	9.6	1.83
☐ 1,199 x 1,199 x 55	8	1.78
☐ 1,199 x 1,799 x 55	12	2.45
☐ 1,199 x 2,399 x 55	14.4	3.20
☐ Round: diameter 799 x 55	5.1	0.74
☐ Round: diameter 999 x 55	6.9	1.08
☐ Round: diameter 1,199 x 55	8.6	1.51
☐ Triangle 1,199 x 1,199 x 1,696 x 55	5.5	0.99

Fitting methods

☐ Mounted on a support surface using a magnetic system, singly on a wall

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the wall.

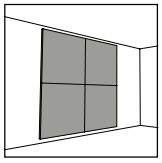


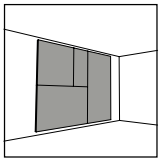
☐ Mounted on a support surface using a magnetic system in groups on a wall

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the wall.

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

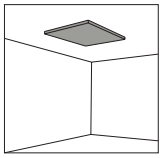
Configuration to be specified in a drawing.





☐ Mounted on a support surface using a magnetic system, singly on a ceiling

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the ceiling. Four safety slings secure the installation.

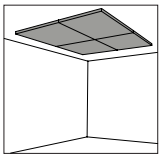


☐ Mounted on a support surface using a magnetic system in groups on a ceiling

Each **Stereo** panel is fitted using magnets to four, invisible, metal support plates screwed to the ceiling. Four safety slings secure the installation.

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

Configuration to be specified in a drawing.



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
Fitting	Mounted on a support surface using a magnetic system
Components	**Aeria*** / fully recycled white AF1 wadding / grey or black microporous cloth / a rust-proof steel frame
Colours	30 colours
Physical properties	
Light reflectance (Nacre colour, MR 640)	81%
Durability	
Mechanical properties	
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)	$7.10^{10}\Omega$
Hydro/oleophobic AATCC118 and AATCC193 (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
Health and safety	
Reaction to fire classification	
Europe EN for complete product	B-s2, d0
United States ASTM	Class A
Environmental characteristics	
Development of micro-organisms	the materials used reduce the proliferation of house dust mites and micro-organisms
HQE® High Quality Environmental standard (standard EN 15804)	AFNOR-certified environmental product declaration
VOC and formaldehyde emissions (ISO 16000) French health labelling / in accordance with German protocol AgBB	A+ / compliant
Contribution to LEED/BREEAM certification – certified EPD – air emissions – acoustic contribution	4 points
Impact on climate change	22.7 kg CO_2 eq /m²
Proportion of recycled components	≥ 57 %
Cleaning	
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

Stereo panels as a suspended partition

Stereo panels as a suspended partitions p. 31
Acoustic performance p. 32
Specification p. 33
Sizes p. 34
Fitting methods p. 35
Aeria - cleaning guidelines p. 36
Technical characteristics p. 37

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

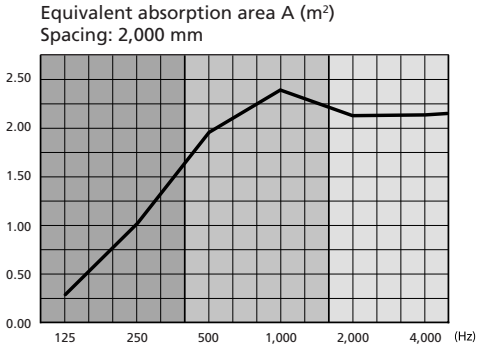
Many contemporary buildings feature large open spaces that require specific measures to manage their acoustics.

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



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m^2) 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/m²)** which provides a run-resistant, antistatic and dirt-repellent covering on all surfaces

Durability of the fabric cover
Performance of **Aeria 330 g/m² run-resistant fabric**
Protection against soiling:
Hydro/Oleophobic ≥ 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 (m²) at mid-range frequencies: 2.12 m²

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
– acoustic contribution
– certified EPD (EN 15804)
– very low VOC (Volatile Organic Compounds) and formaldehyde emissions.

Impact on climate change: 22.7 kg CO_2 eq /m²

Proportion of recycled components ≥ 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

299 x 1,199 x 55 mm*

299 x 1,799 x 55 mm*

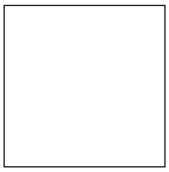
299 x 2,399 x 55 mm*

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]

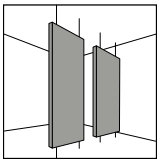
Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies
☐ 299 x 1,199 x 55	4.4	0.57
☐ 299 x 1,799 x 55	6.1	0.79
☐ 299 x 2,399 x 55	7.4	-
☐ 599 x 599 x 55	4	-
☐ 599 x 1,199 x 55	5.7	1.17
☐ 599 x 1,799 x 55	8.2	1.67
☐ 599 x 2,399 x 55	9.1	2.26
☐ 1,199 x 1,199 x 55	8.5	2.12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

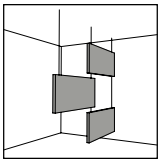


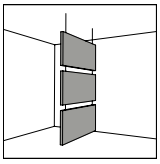
Bottom of the cable

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

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
Fitting	Suspended
Components	**Aeria*** / fully recycled white AF1 wadding / grey or black microporous cloth / a rust-proof steel frame
Colours	30 colours
Physical properties	
Light reflectance (Nacre colour, MR 640)	81%
Durability	
Mechanical properties	
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)	$7.10^{10}\Omega$
Hydro/oleophobic AATCC118 and AATCC193 (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)
Health and safety	
Reaction to fire classification	
Europe EN for complete product	B-s2, d0
United States ASTM	Class A
Environmental characteristics	
Development of micro-organisms	the materials used reduce the proliferation of house dust mites and micro-organisms
HQE® High Quality Environmental standard (standard EN 15804)	AFNOR-certified environmental product declaration
VOC and formaldehyde emissions (ISO 16000) French health labelling / in accordance with German protocol AgBB	A+ / compliant
Contribution to LEED/BREEAM certification – certified EPD – air emissions – acoustic contribution	4 points
Impact on climate change	22.7 kg CO_2 eq /m²
Proportion of recycled components	≥ 57 %
Cleaning	
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

Stereo panels - special solutions

Stereo panels - special solutions p. 55
Specification p. 56
Sizes and acoustic performance p. 57
Fitting methods p. 60
Aeria - cleaning guidelines p. 62
Technical characteristics p. 63

Production 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
– 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/m²)** 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/m² run-resistant fabric**
Protection against soiling:
Hydro/Oleophobic ≥ 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 (m²) at mid-range frequencies: 2 m²

European reaction to fire classification
Complete product: B-s2, d0

Environmental characteristics
HQE: EPD (EN 15804) – Environmental and Health Product Declarations certified by AFNOR
LEED / BREEAM:
4 points for
– acoustic contribution
– certified EPD (EN 15804)
– very low VOC (Volatile Organic Compounds) and formaldehyde emissions.

Impact on climate change: 22.7 kg CO_2 eq /m²
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

Common options
☐ Embroidery option
☐ 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

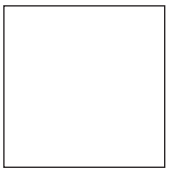
299 x 2,399 x 55 mm

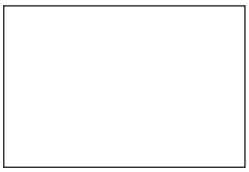
599 x 1,199 x 55 mm

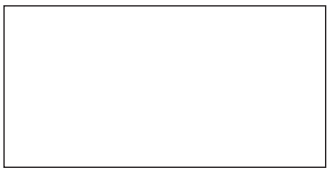
599 x 1,799 x 55 mm

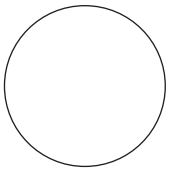
599 x 2,399 x 55 mm

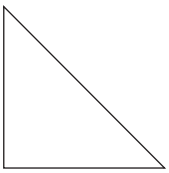
599 x 599 x 55 mm


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
☐ 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

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

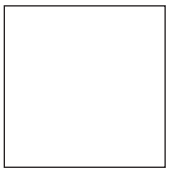
299 x 2,399 x 55 mm

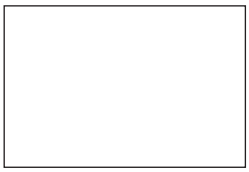
599 x 1,199 x 55 mm

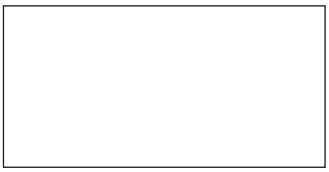
599 x 1,799 x 55 mm

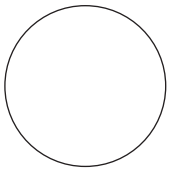
599 x 2,399 x 55 mm

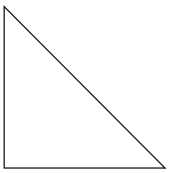
599 x 599 x 55 mm


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
☐ 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 - 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

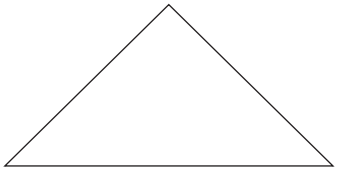
599 x 2,399 x 55 mm

599 x 599 x 55 mm

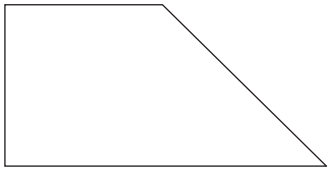
Dimensions / weight / acoustic performance [specify]

Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies
☐ 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

Stereo panels - special solutions
Suspended on vertical cables, as a canopy



1,199 x 2,446 x 55 mm



1,199 x 2,388 x 55 mm

Dimensions / weight / acoustic performance [specify]

Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies
☐ Triangle 1,199 x 2.446	10.9	-
☐ Trapezium 1,199 x 2.388	13.2	-

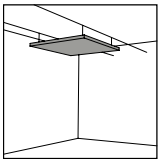
Fitting methods

☐ 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**



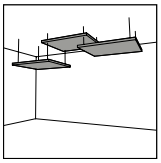
Cross-shaped cable clamp

☐ 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)



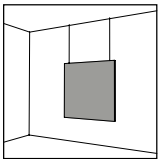
Adjustable slider

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.

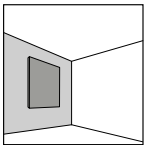
☐ White powder-coated aluminium rails, length 2,000 mm



□ Mounted on vertical metal surfaces with magnets

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

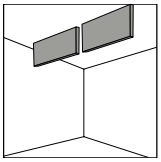
NB: ensure that the support surface used is compatible with the magnets



□ As a screw-mounted baffle

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

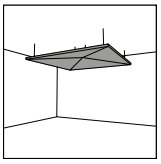
NB: Fitting/removal requires a 20-mm gap on one side of the panel.

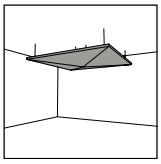


The head engages in the rail screwed to the ceiling

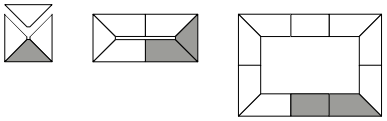
□ Suspended on vertical cables as a canopy

Each **Stereo** panel is suspended from the ceiling at an angle of 7o from the vertical on 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 held in position with pairs of fixing tabs. The panels' upper surface is covered.





The canopies consist of:
– triangular panels
– and/or trapezoid panels
– and/or rectangular panels
and form a convex or concave arrangement.
Please specify configuration in a drawing.



A 70-mm wide opening at the centre of the structure allows air and any technical equipment to pass through (light fittings, IT cabling, etc.).

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
Fitting	Suspended or screw-mounted
Components	**Aeria*** / fully recycled white AF1 wadding / grey or black microporous cloth / a rust-proof steel frame
Colours	30 colours
Physical properties	
Light reflectance (for Nacre (Pearly white) colour, MR 640)	81%
Durability	
Mechanical properties	
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)	$> 7.10^{10}\Omega$
Hydro/oleophobic AATCC118 and AATCC193 (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)
Health and safety	
Reaction to fire classification	
Europe EN for complete product	B-s2, d0
United States ASTM	Class A
Environmental characteristics	
Development of micro-organisms	the materials used reduce the proliferation of house dust mites and micro-organisms
HQE® High Quality Environmental standard (standard EN 15804)	AFNOR-certified environmental product declaration
VOC and formaldehyde emissions (ISO 16000) French health labelling / in accordance with German protocol AgBB	A+ / compliant
Contribution to LEED/BREEAM certification – certified EPD – air emissions – acoustic contribution	4 points
Impact on climate change	22.7 kg CO_2 eq /m²
Proportion of recycled components	≥ 57 %
Cleaning	
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 theacoustic comfort of the spaces in which people live and work. **Texaa®** products are technically sophisticated, sensitive and hard-wearing. Their hallmark is the textile inwhich 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

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