

Texaa®

Specification and data sheets

Abso Cushions

Acoustic objects



Ceiling-hung Abso Cushions	p. 3
Acoustic performance	p. 4
Specification	p. 5
Sizes	p. 6
Fitting methods	p. 7
Technical characteristics	p. 8

Production lead time

3 weeks

**Professionals to be
consulted for fitting**

General fitters

Ceiling-hung Abso Cushions

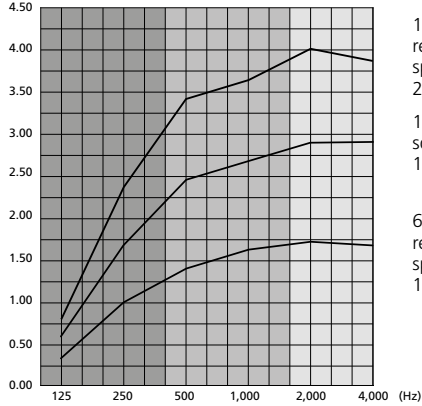
Consisting simply of sound-absorbing foam with an Aeria fabric cover stretched over a metal hoop, Abso Cushions are now 95 mm thick to ensure maximum acoustic efficacy. Their shapes and sizes have been specifically selected to produce pleasingly balanced grouped arrangements. They provide complete freedom to design features in large volumes.

Unlike Stereo panels, Abso Cushions may not be grouped together to form uninterrupted acoustic clusters.

Acoustic performance

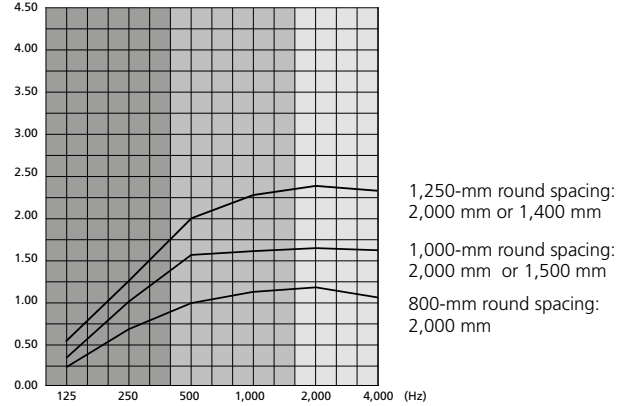
1,250-mm square and 625-mm & 1,800-mm rectangular cushions

Equivalent absorption area of an object A (m²) –



800, 1,000 & 1,250 round cushions

Equivalent absorption area of an object A (m²) –



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
1,250-mm square	0.65	1.69	2.48	2.68	2.8	2.83
625-mm rectangular	0.3	1.07	1.41	1.63	1.73	1.67
1,800-mm rectangular	0.85	2.33	3.45	3.62	4.07	3.87
800-mm round	0.24	0.70	0.99	1.13	1.17	1.11
1,000-mm round	0.32	1.07	1.52	1.57	1.66	1.59
1,250-mm round	0.55	1.26	2.04	2.28	2.38	2.32

Test reports available on request – Standard NF EN 20354 / ISO 354

Specification

Acoustic absorption is enhanced by Texaa® Abso Cushions available in a range of shapes:

- square with rounded corners
- rectangular with rounded corners
- round

These Cushions consist of grey AP cellular foam, a powder-coated steel hoop and a removable and machine-washable cover made of sound-transparent Aeria fabric.

Durability of the fabric cover

Performance of run-resistant 330 g/m² Aeria

Protection against soiling

Antistatic properties 3.10⁷ Ω/m² (ASTM D257)

Acoustic performance

Equivalent absorption area of an object A (m²) at mid-range frequencies:

1,250-mm square: 2.63 m² / 625-mm rectangular: 1.51 m² / 1,800-mm rectangular: 3.65 m²
800-mm round: 1.09 m² / 1,000-mm round: 1.55 m² / 1,250-mm round: 2.18 m²

Reaction to fire classification

- European classification :
 - B-s1, d0 for the Aeria fabric cover
 - C-s2, d0 for the sound absorber
- USA - ASTM E84: Class A

Environmental characteristics

- Indoor air quality (ISO 16000): A+, AgBB compliant
- Contribution to environmental labels:
 - LEED: 8 to 14 points
 - BREEAM: 12.5 credits
 - DGNB: 32 to 36.4%
 - HQE: 7 targets
 - WELL: 14 credits
- Impact on climate change: 16.7 kg CO₂ eq/m²
(EPD available on our website)
- Recycled content ≥ 22%

Cleaning

Vacuum cleaning, may be removed and refitted

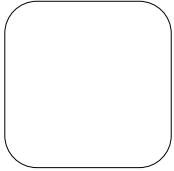
Guarantee 10 years

Colours

Select from the 30 colours in the round knit (MR) palette available for the Abso range.
Special colours available on request.

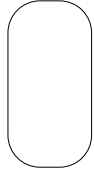
Sizes

Square



1,250 x 1,250 x 95 mm

Rectangular

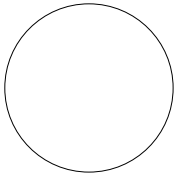


625 x 1,250 x 95 mm

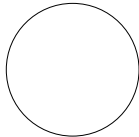


1,800 x 1,250 x 95 mm

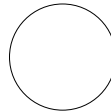
Round



1,250 x 95 mm



1,000 x 95 mm



800 x 95 mm

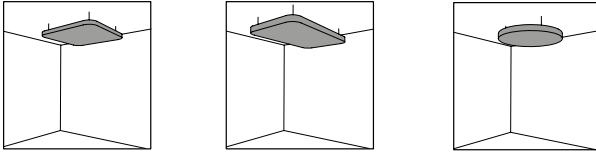
Dimensions / weight / acoustic performance [specify]

Cushions	Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m ²) at mid-range frequencies
□ 1,250-mm square	1,250 x 1,250 x 95	4.2	2.63
□ 625-mm rectangular	625 x 1,250 x 95	2.7	1.51
□ 1,800-mm rectangular	1,800 x 1,250 x 95	5.9	3.65
□ 800-mm round	800 x 95	1.9	1.09
□ 1,000-mm round	1,000 x 95	2.5	1.55
□ 1,250-mm round	1,250 x 95	3.2	2.18

Fitting methods

□ Suspended separately using vertical cables

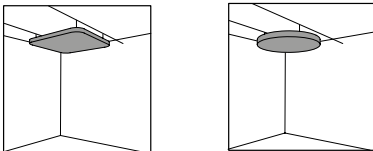
Each **Abso** Cushion is suspended horizontally from the ceiling by means of 4 vertical cables (3 cables for 1,000 and 1,250 round Cushions) made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a small cylindrical cover and an adjustable eye hook with a latch.



□ Suspended under horizontal cables

Each **Abso** Cushion is suspended from 2 horizontal cables (not supplied) by means of 4 vertical cables (3 cables for 1,000 and 1,250 round Cushions) made of galvanised steel (diameter 1 mm, length 1,000 mm) fitted with a stainless steel cruciform cable clamp and an adjustable eye hook with a latch.

The cross-shaped cable clamp fits horizontal cables 2 to 6 mm in diameter.



Technical characteristics

Definition	Abso
Fitting	Ceiling-hung
Components	Aeria* / grey AP foam
Colours	30 colours
Physical properties	
Light reflectance (colour Gris Nacré MR003)	81%
Durability	
Technical characteristics	
– Abrasion resistance (NF EN 12947-2, number of rubs)	> 30,000
– Fraying	none
– Variations in dimensions under normal conditions of temperature and humidity	± 1 %
– Colour fastness ISO 105-B02 (scale from 1 to 8)	≥ 5
– Antistatic properties (ASTM D257)	3.10 ⁷ Ω/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	B-s1, d0 for the Aeria fabric cover C-s2, d0 for the sound absorber
– USA ASTM E84	Class A
Development of micro-organisms	The materials used reduce the proliferation of house dust mites and micro-organisms
Environmental standards	
VOC and formaldehyde emissions (ISO 16000) French health labelling & in accordance with German protocol AgBB	A+ / compliant
Contribution to environmental labels	LEED: 8 to 14 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	16,7 kg CO ₂ eq /m ²
Proportion of recycled components	≥ 22 %
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 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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