

**Texaa®**

Specification and data sheets

# Ceiling-hung Abso Cubes, Cones and Totems

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#### **Production time**

3 weeks

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

General fitters

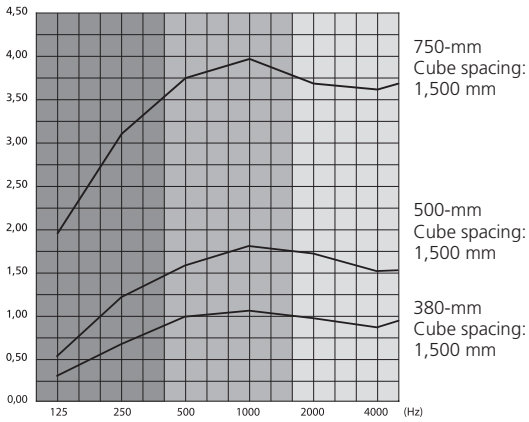
# Ceiling-hung Abso Cubes, Cones and Totems

These accessories are extremely light and may be hung from vertical cables. Their bold shapes provide a solution for even the most challenging acoustic reverberation problems. They can be used to lend structure or just a sense of fun, while livening up volumes. They suit all types of ceiling, including structural roof members.

# Acoustic performance

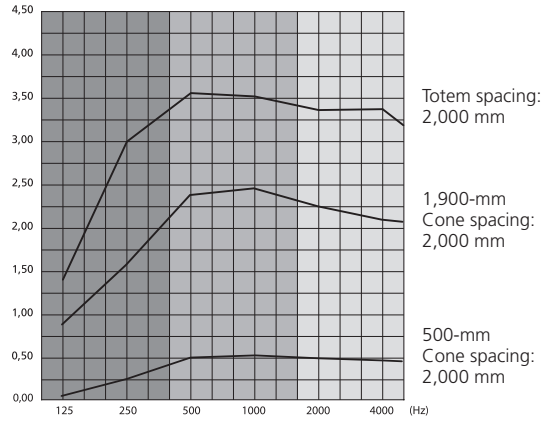
## 380-, 500- or 750-mm Cubes

Equivalent absorption area of an object A (m<sup>2</sup>) –



## 500- and 1,900-mm Cones and Totem

Equivalent absorption area of an object A (m<sup>2</sup>) –



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
380-mm Cube	0.27	0.62	0.98	1.04	0.97	0.86
500-mm Cube	0.52	1.20	1.61	1.79	1.73	1.51
750-mm Cube	1.94	3.10	3.75	3.91	3.70	3.59
500-mm Cone	0.06	0.28	0.50	0.59	0.50	0.47
1,900-mm Cone	0.81	1.53	2.37	2.48	2.25	2.13
totem	1.43	3.09	3.57	3.51	3.32	3.35

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

# Specification

Acoustic absorption is enhanced by **Abso by Texaa®**

- Cubes
- Cones
- Totems

consisting of grey AP cellular foam and a removable\* and machine-washable cover made of sound-transparent **Aeria** fabric.

\* except for Cones

## Durability of the fabric cover

Performance of **run-resistant 330 g/m<sup>2</sup> Aeria**

Protection against soiling:

**Hydro/Oleophobic**  $\geq 5$  (AATCC118 and AATCC193)

**Electrostatic properties**  $7.10^{10} \Omega$  (EN 1149-1)

## Acoustic performance

Equivalent absorption area of an object A (m<sup>2</sup>) at mid-range frequencies:

380-mm Cube: 1.00 m<sup>2</sup> / 500-mm Cube: 1.65 m<sup>2</sup> / 750-mm Cube: 3.82 m<sup>2</sup>

500-mm Cone: 0.55 m<sup>2</sup> / 1,900-mm Cone: 2.44 m<sup>2</sup> / Totem: 3.55 m<sup>2</sup>

## Reaction to fire classification

– **European classification :**

B-s1, d0 for the Aeria fabric cover

C-s2, d0 for the sound absorber

– **United States - ASTM**

Class A.

## Environmental characteristics

– **VOC and formaldehyde emissions** (ISO 16000)

– **Abso** accessories qualify for French "A+" health labelling and are classed as "conforming" after assessment using the German AgBB protocol

– **LEED / BREAM:** 2 points for

- **Very low VOC** (Volatile Organic Compounds) and formaldehyde emissions

- Acoustic contribution

– **Impact on climate change:** 16.7 kg CO<sub>2</sub> eq /m<sup>2</sup>

## 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

## Cubes



380 x 380 x 380 mm



500 x 500 x 500 mm



750 x 750 x 750 mm

## Totem



2,000 x 380 x 380 mm

## Cones



1,900 x 385 x 235 mm



500 x 290 x 165 mm

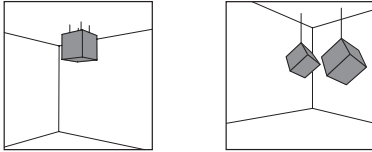
## dimensions / weight / acoustic performance [specify]

Object	Dimensions (mm)	Weight (kg)	Equivalent absorption area of an object A (m <sup>2</sup> ) at mid-range frequencies
<input type="checkbox"/> 380-mm Cube	380 x 380 x 380	1.4 (with hoop) / 0.8 (with strap)	1.00
<input type="checkbox"/> 500-mm Cube	500 x 500 x 500	2.4 (with hoop) / 1.6 (with strap)	1.65
<input type="checkbox"/> 750-mm Cube	750 x 750 x 750	6.7 (with hoop) / 5.4 (with strap)	3.82
<input type="checkbox"/> 500-mm Cone	500 x 290 x 165	0.35	0.55
<input type="checkbox"/> 1,900-mm Cone	1,900 x 385 x 235	2.1	2.44
<input type="checkbox"/> totem	2,000 x 380 x 380	4.1	3.55

# Fitting methods

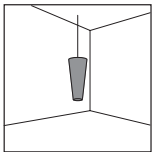
## □ Ceiling-hung Cubes

Suspended using a powder-coated steel hoop or a textile loop and galvanised steel cables (diameter 1 mm, length 1,000 mm), fitted with a small cylindrical cover and an adjustable eye hook with a latch.



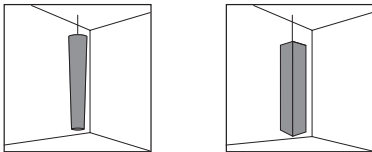
## □ Ceiling-hung 500-mm Cone

Suspended using a ring and a galvanised steel cable (diameter 1 mm, length 1,000 mm), fitted with a small cylindrical cover and an adjustable eye hook with a latch.



## □ Ceiling-hung 1,900-mm Cone and Totem

Suspended using a powder-coated steel hoop and galvanised steel cables (diameter 1 mm, length 1,000 mm), fitted with a small cylindrical cover and an adjustable eye hook with a latch.



# 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	Abso
<b>Fitting</b>	Ceiling-hung
<b>Components</b>	<b>Aeria*</b> / grey AP foam
<b>Colours</b>	30 colours
<b>Physical properties</b>	
<b>Light reflectance</b> (for Nacre (Pearly white) colour, MR 640)	81%
<b>Durability</b>	
<b>Technical characteristics</b>	
– 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
– Electrostatic properties (EN 1149-1)	7.10 <sup>10</sup> Ω
– Hydro/Oleophobic AATCC 118 and AATCC 193 (scale from 1 to 8)	≥ 5
– Conditions of normal exposure	Relative humidity between 30% and 75% and temperature between 10°C and 30°C
– Conditions of exceptional exposure	Relative humidity between 20% and 90% and temperature between 10°C and 30°C
– Mechanical strength of the fastenings	15 kg / fixing point
<b>Health and safety</b>	
<b>Reaction to fire classification</b>	
	-
– European classification	B-s1, d0 for the Aeria fabric cover C-s2, d0 for the sound absorber
– United States ASTM	Class A
<b>Environmental standards</b>	
<b>Development of micro-organisms</b>	The materials used reduce the proliferation of house dust mites and micro-organisms
<b>HQE®</b> High Quality Environmental standard (standard EN 15804)	-
<b>VOC and formaldehyde emissions</b> (ISO 16000) French health labelling / in accordance with German protocol AgBB	A+ / compliant
<b>Contribution to LEED/BREEAM certification</b>	
– air emissions – acoustic contribution	2 points
<b>Impact on climate change</b>	16.7 kg CO2 eq /m <sup>2</sup>
<b>Cleaning</b>	
Method	Vacuum clean every one to five years, depending on conditions of use.*** Cover is removable and machine-washable at 30°C, dry flat.**

\* Texaa®'s internationally patented **Aeria** sound-transparent fabric

\*\* except cones and totems / \*\*\* refer to the cleaning and maintenance sheets

**Texaa®** is a privately owned company with a staff of fifty-five. Informed by continuous contact with designers and professionals in the building industry, we conceive, manufacture and distribute solutions to enhance the acoustic comfort of the spaces in which people live and work. **Texaa®** products are technically sophisticated, sensitive and hard-wearing. Their hallmark is the textile in which they are clad: **Aeria\*** is knitted in our workshop near Bordeaux in a palette of 30 colours. Since 1978, it has been our pride and delight to play our part in developing quality architecture in France, Europe, the US and beyond.

\* our sound-transparent textile with an exclusive **Texaa®** patent

## Updates at [www.texaa.co.uk](http://www.texaa.co.uk)

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