

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

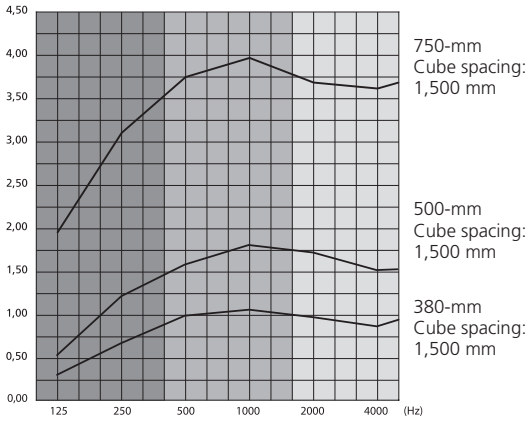
Ceiling-hung Abso Cubes, Cones and Totems

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

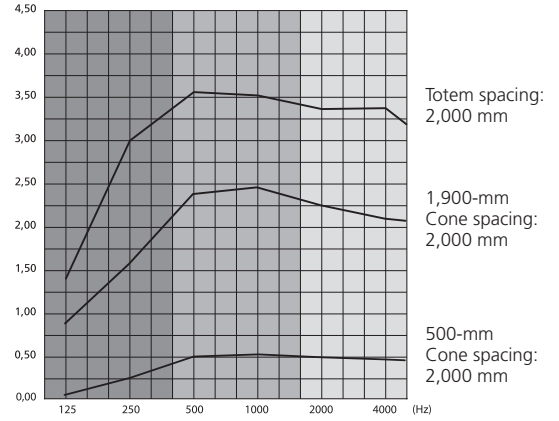
380-, 500- or 750-mm Cubes

Equivalent absorption area of an object A (m²) –



500- and 1,900-mm Cones and Totem

Equivalent absorption area of an object A (m²) –



| 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/m² Aeria**

Protection against soiling:

Hydro/Oleophobic ≥ 5 (AATCC118 and AATCC193)

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

Acoustic performance

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

380-mm Cube: 1.00 m² / 500-mm Cube: 1.65 m² / 750-mm Cube: 3.82 m²

500-mm Cone: 0.55 m² / 1,900-mm Cone: 2.44 m² / Totem: 3.55 m²

European reaction to fire classification

The Aeria cover and sound-absorbing material are M1 fire retardant and non-dripping or equivalent European standard.

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

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

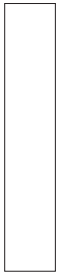


500 x 500 x 500 mm



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

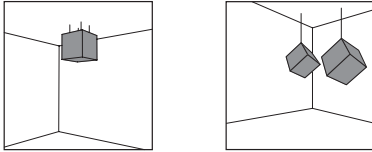
dimensions / weight / acoustic performance [specify]

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

Fitting methods

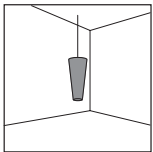
□ Ceiling-hung Cubes

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.



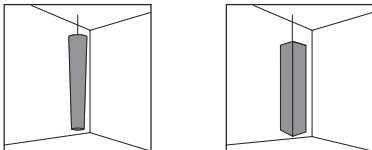
□ Ceiling-hung 500-mm Cone

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 |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Fitting | Ceiling-hung or free-standing |
| Components | Aeria* / grey AP foam |
| Colours | 30 colours |
| Physical properties | |
| Light reflectance (for Nacre (Pearly white) colour, MR 640) | 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 |
| – Electrostatic properties (EN 1149-1) | 7.10 ¹⁰ 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 |
| Health and safety | |
| Reaction to fire classification | |
| – European NF | M1 fire retardant and non-dripping or equivalent European standard |
| – United States ASTM | Class A |
| Environmental standards | |
| 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) | - |
| VOC and formaldehyde emissions (ISO 16000) French health labelling / in accordance with German protocol AgBB | A+ / compliant |
| Contribution to LEED/BREEAM certification | |
| – air emissions – acoustic contribution | 2 points |
| 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

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