

Texaa®

Specification and data sheets

Abso Pads

Abso Pads	p. 3
Acoustic performance	p. 4
Specification	p. 5
Sizes	p. 6
Fitting method	p. 7
Aeria – cleaning guidelines	p. 8
Technical characteristics	p. 9

Production time

3 weeks

Professionals to be consulted for fitting

General fitters

Insertable Abso ceiling Pads

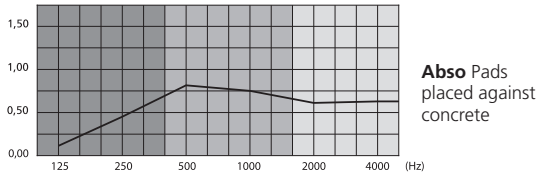
Especially designed for standard dropped ceilings with visible “T” runners, **Abso** Pads clip effortlessly into the metal grid already in place.

They only take a couple of seconds to insert or remove. Each Pad is held beneath the existing ceiling tiles with the help of our ultra-simple, quick-fit fastening system.

Abso Pads are between 70 and 83 mm thick, making them best in class in acoustic performance.

Acoustic performance

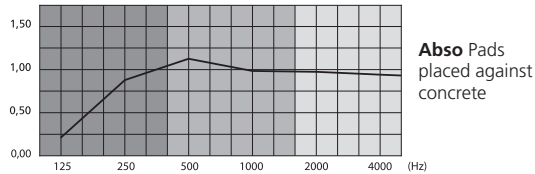
Equivalent absorption area of an object A (m²)



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area of an object A (m ²) spacing: 1,200 mm						
Pad placed against concrete	0.15	0.42	0.79	0.75	0.63	0.64

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

α_{Sabine} – grouped Pads placed against concrete



Frequencies (Hz)	125	250	500	1,000	2,000	4,000	α_w	Class	NRC
α_{Sabine} – grouped									
Pad placed against concrete	0.21	0.88	1.13	0.98	0.95	0.90	1	A	1

Test report and set-up available on request.

Specification

Acoustic absorption is enhanced by Texaa® **Abso** Pads, which consist of:

- grey AP cellular foam
- a fabric cover of sound-transparent **Aeria** on one side
- Steel part for fitting purposes

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: 0.76 m²

Absorption coefficient $\alpha_w = 1$ for Pads installed in clusters

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** pads 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 CO₂ eq /m²

Cleaning

Vacuum cleaning, may be removed and refitted

Guarantee

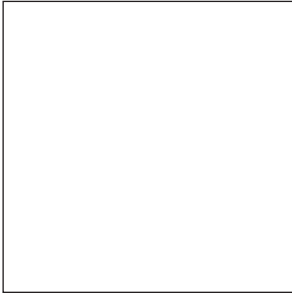
10 years

Colours

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

Special colours available on request.

Sizes



± 600 x 600 x 70 mm

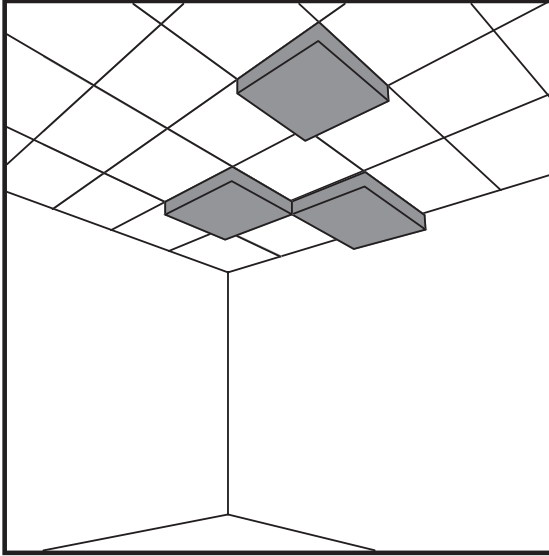
Designed to fit most sizes of dropped ceiling grid.

Type of dropped ceiling: dimensions / weight / acoustic performance [specify]

Grid (mm)	Dimensions (mm)*	Weight (kg)	Equivalent absorption area A (m ²) at mid-range frequencies	α_w
□ 600 x 600 T24	582 x 582 x 83 Pad	0.8	0.76	1
□ 600 x 600 T24	582 x 582 x 116 / 50 slanting Pad	0.8	0.76	1
□ 600 x 600 T15	592 x 592 x 70 Pad	0.8	0.76	1
□ 610 x 610 T24	592 x 592 x 70 Pad	0.8	0.76	1
□ 625 x 625 T24	607 x 607 x 70 Pad	0.8	0.76	1

* ± 6 mm depending on humidity

Fitting method



Inserted into a dropped ceiling grid

Fitting is easier if the Pads are not inserted side-by-side or around the edges of a dropped ceiling.

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	Inserted into a dropped ceiling grid
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 classification	B-s1, d0 for the Aeria fabric cover C-s2, d0 for the sound absorber
– 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
Impact on climate change	16.7 kg CO2 eq /m ²
Cleaning	
Method	Vacuum clean every one to five years, depending on conditions of use**

* 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 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

- - -

Texaa®
textile, acoustics, architecture

United Kingdom
Lincoln House, 4th Floor
300 High Holborn
London WC1V 7JH

- - -
020 7092 3435
contact@texaa.co.uk
www.texaa.co.uk

USA
2825 East Cottonwood Parkway
Suite 500 Salt Lake City,
UT 84121

- - -
(801) 783-1231
contact@texaa.com
www.texaa.com