Texaa®

Specification and data sheets

Abso Pads

Acoustic objects

THE EXCELLENCE OF FRENCH SAVOIR-FAIRE • ENTREPRISE DU PATRIMOINE VIVANT •

FABRIC KNITTED IN FRANCE

ABSPAV2510EN

Production lead time

3 weeks

Professionals to be consulted for fitting

General fitters

Insertable Abso ceiling Pads

Specially 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.

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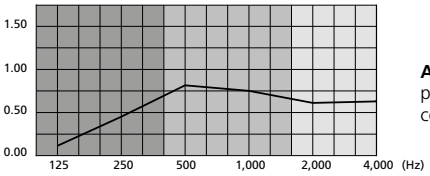
Abso Pads are between 70 and 83 mm thick, making them best-in-class in acoustic performance.

Acoustic performance

Equivalent absorption area of an object A (m²)

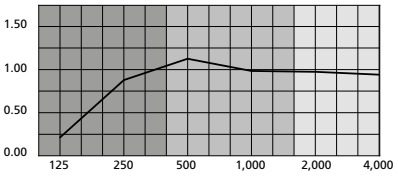


Abso Pads placed against concrete

Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area of an object A (m²) 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



Abso Pads placed against concrete

Frequencies (Hz)	125	250	500	1,000	2,000	4,000			
α_{Sabine} – grouped							α_w	Class	NRC
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
Antistatic properties 3.10^7 Ω/m² (ASTM D257)

Acoustic performance
Equivalent absorption area of an object A (m²) at mid-range frequencies: 0.76 m²
(Absorption coefficient α_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
USA – ASTM E84: Class A

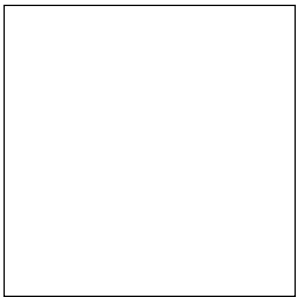
Environmental characteristics
– Indoor air quality (ISO 16000): A+, AgBB compliant
– Contribution to environmental labels:
  LEED: 7 to 10 points
  BREEAM: 11 credits
  DGNB: 18.6 to 20.4%
  HQE: 6 targets
  WELL: 14 credits

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



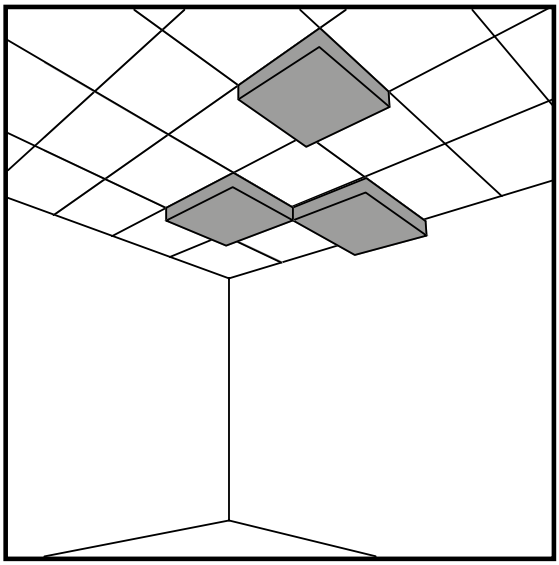
± 600 x 600 x 70 mm
Designed to fit most sizes of dropped ceiling grid.

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

Pads	Grids (mm)	For voids of (mm)	Dimensions (mm)*	Weight (kg)	Equivalent absorption area A (m^2) at mid-range frequencies	α_w
Pad 576	☐ 600 x 600 T24	576 x 576	582 x 582 x 83	0,8	0,76	1
Slanted Pad 576	☐ 600 x 600 T24	576 x 576	582 x 582 x 116 / 50	0,8	0,76	1
Pad 585	☐ 600 x 600 T15	585 x 585	592 x 592 x 70	0,8	0,76	1
Pad 585	☐ 610 x 610 T24	585 x 585	592 x 592 x 70	0,8	0,76	1
Pad 601	☐ 625 x 625 T24	601 x 601	607 x 607 x 70	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.

Technical characteristics

Definition	Abso
Fitting	Inserted into a dropped ceiling grid
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/m²
– 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: 7 to 10 points BREEAM: 11 credits DGNB: 18.6 to 20.4% HQE: 6 targets WELL: 14 credits
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 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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