


Abso acoustic objects

Abso objects are not only extremely light and therefore easy to transport or rearrange, but also extremely good at absorbing sound reverberation. They embody the simplest expression of sound absorbing foam and **Aeria** in combination. They are dirt and shock resistant and may be used to address the question of sound comfort *a posteriori*, thereby changing the whole feel of a given space without necessitating an additional phase of building work.

In accordance with French Fire Safety Regulations, the reaction to fire classification for the two materials used in **Abso** objects is M1 non-dripping. Moreover, the chemical compatibility of these materials means that the European reaction to fire classification of **Abso** objects is C-s3, d0 for the complete product. These qualities guarantee a maximum level of fire safety for our clients.

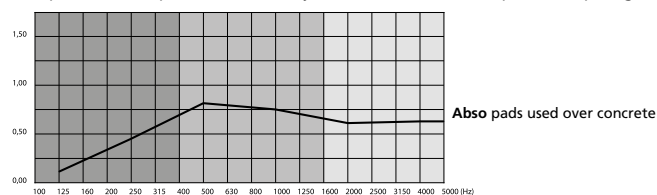
Insertable Abso pads for dropped ceilings

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 slotted beneath the existing ceiling tiles with the help of our ultra-simple quick fit fixation system.

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

Acoustic performance

Equivalent absorption area of an object A (m²) at medium frequencies – spacing: 1200 mm



Frequencies (Hz)	125	250	500	1000	2000	4000
Abso pads used over concrete	0.15	0.42	0.79	0.75	0.63	0.64

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

Specifications for Abso ceiling pads

A high level of acoustic absorption is provided by **Texaa**®, **Abso** ceiling pads, which comprise:

- grey AP cellular foam
- a fabric cover of sound transparent **Aeria** on one side

European reaction to fire classification for complete object

C-s3, d0 – Non dripping

French reaction to fire classification for complete object

M1 non dripping

Performance indicators for Aeria

Hydro / Oleo-phobic ≥ 5 (AATCC118)

Antistatic properties: $7 \cdot 10^{10} \Omega$ (EN1149-1)

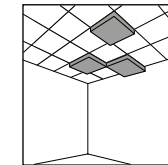
Colours

Available in a range of 22 colours

Fitting Methods

☐ Inserted into a dropped ceiling grid

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



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

	Frame (mm)	Dimensions (mm)*	Weight (kg)	Equivalent absorption area of an object A (m ²) at medium frequencies
<input type="checkbox"/>	600 x 600 T24	582 x 582 x 83	0.8	0.76
<input type="checkbox"/>	600 x 600 T15	592 x 592 x 70	0.8	0.76
<input type="checkbox"/>	610 x 610 T24	592 x 592 x 70	0.8	0.76
<input type="checkbox"/>	625 x 625 T24	607 x 607 x 70	0.8	0.76

* ±6 mm depending on humidity

Production time

3 weeks

Professionals to be consulted

General fitters

Specification Sheet for Stereo and Abso Products

Definition	Stereo	Abso
Fitting	Ceiling-hung, screwed in or freestanding	Ceiling-hung or freestanding
Materials used	Aeria*/ grey AN foam / grey or black microporous cloth / aluzinc steel frame	Aeria*/ Grey AP foam
Coulours	22 colours	22 colours
Physical properties		
Thermal resistance (EN 12667)	0.032 – 0.034 W / mK	0.032 – 0.034 W / mK
Light reflectance (for colour Nacre MR 640)	81 %	81 %
Durability		
Mechanical properties		
– Abrasion resistance (EN 530 – resistance to rubbing)	> 40000	> 40000
– Fraying	none	none
– Variations in dimension (given normal temperature and humidity conditions)	no	±1 %
– Colour fastness (ISO 105-B02 – scale 1 to 8)	≥ 5	≥ 5
– Electrostatic properties (EN 1149-1)	7 10 ¹⁰ Ω	7 10 ¹⁰ Ω
– Fluid repellent treatment AATCC118 (scale 1 to 8)	≥ 5	≥ 5
– Conditions of normal exposure	Relative humidity between 30 % and 75 % and temperature between 10 °C and 30 °C	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	Relative humidity between 20 % and 90 % and temperature between 10 °C and 30 °C
Health and safety		
Fire safety ratings		
– Europe EN – for complete product	No flaming droplets or particles B-s2, d0	- C-s3, d0
– France NF – individual materials	-	M1 non dripping
– United States ASTM	Class A	-
Higher heating value (EN ISO 1716)	19,81 MJ / kg 13,77 MJ / m ²	19.915 MJ / kg -
Environmental standards		
Development of micro-organisms	The materials used reduce the presence of house dust mites and micro-organisms	The materials used reduce the presence of house dust mites and micro-organisms
HQE® High Quality Environmental Standard (Norm EN 15804)	Certified health and environment declaration forms available on request	-
Emissions of VOC and formaldehyde (ISO 1600) French health labelling / in accordance with German protocol AgBB (mai 2010)	A / Compliant	A+
Contributions to LEED / BREEAM certification		
– Certified environmental declaration forms – Product declaration – Air emissions – Acoustic performance	3 points	-
Cleaning		
Method	Vacuum clean every one to five years, depending on conditions of use*** Removable textile cover, machine washable at 30 °C, dry flat	Vacuum clean every one to five years, depending on conditions of use*** Removable textile cover, machine washable at 30 °C, dry flat**

* Sound transparent textile, exclusively patented by Texaa®

** Except for insertable ceiling pads

*** Please refer to the cleaning and maintenance sheets