Texaa®

Technical Catalogue January 2014

Updated regularly at www.texaa.fr

Vibrasto Acoustic Materials

Vibrasto 03

Stretched and Anchored Acoustic Materials

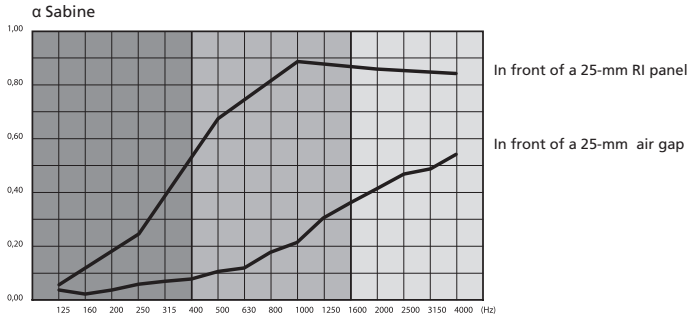
Vibrasto 03 is an acoustic material that is stretched and anchored on walls or ceilings. It creates a “second skin”, consisting of an outer layer of **Aeria** laminated to a 3-mm thickness of acoustic wool. This simple and effective solution can change any wall or ceiling into a sound-absorbing surface. The installation method makes it possible to cover large surface areas economically, yet with close attention to finish detail. The interior designer has full control over the finished appearance, leaving the acoustical engineer free to specify the appropriate sound-absorbing material behind the **Vibrasto 03.**

Width 1,500 mm

* **Aeria**, sound transparent fabric, patented by **Texaa®**

Acoustics

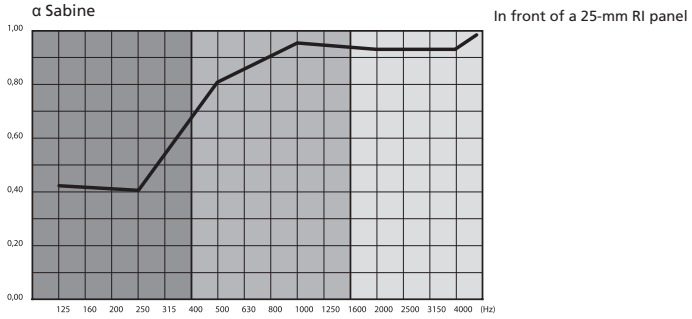
• For **Vibrasto 03** stretched in front of concrete



Frequencies (Hz)	α_w	Class	NRC	125	250	500	1,000	2,000	4,000	5,000
Vibrasto 03 + 25-mm RI panel	0.54 (MH)	D	0.70	0.06	0.26	0.68	0.89	0.87	0.84	0.83

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

• For Vibrasto 03 stretched over plasterboard screwed to a frame and a 45-mm layer of rock wool



Frequencies (Hz)	α_w	Class	NRC	125	250	500	1,000	2,000	4,000	5,000
Vibrasto 03 + 25-mm RI panel	0.73 (MH)	C	0.80	0.42	0.40	0.81	0.96	0.93	0.93	0.98

This conventional support offers additional absorption at low frequencies.

Typical Specification Sheet

The walls [ceilings] will be treated with **Texaa®'s** non-flammable, non-dripping **Vibrasto 03**, 1,500 mm wide, consisting of **Aeria** fabric fitted in a vacuum to a felt.

European reaction to fire classification: B-s1, d0
No flaming droplets or particles

Colours

☐ Select from a range of 24 round knit colours

☐ "Black and white II" (delivered in strip layers, for maximum installed dimensions of 2,800 mm x 1,400 mm)

Installation Methods

Stretch fitted in front of [to be specified] 25-mm RI panels (impregnated glass wool) "dot and dab" bonded or fastened to the support for an absorption coefficient α_w on concrete of 0.54 (MH). The total thickness is 30 mm.

Joints
The joints between the fabric strips are produced as pencil line joints. The edges of the **Vibrasto 03** fabric are inserted into U-section profiles running along these seams.
Centre-to-centre distance: 1,500 mm
(except for "Black and White II" colour scheme– centre-to-centre distance: 1,400 mm)

Edges
Around the edges of the covered surface and openings, the edges of the **Vibrasto 03** are inserted into L-section profiles.

Electrical fixtures
Plug sockets and switches should stand out from the surface by 25 mm.

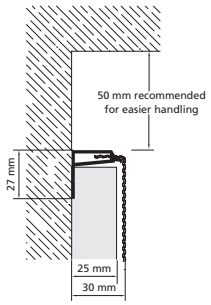
Outside 90° corner
A **Texaa®** supplied shim enables a pencil line joint to be produced for these corners.

Inside 90° corner
Produced as a pencil line joint.

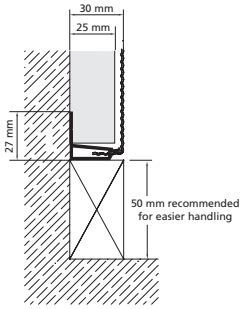
Visible sides (option)
The L-section profiles for visible sides are delivered covered with matching fabric.

Note
Different batches of the same colour shade may show very slight variations; the short specs described room per room must therefore imperatively be respected.

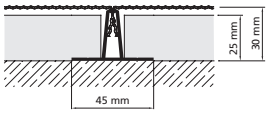
Ceiling



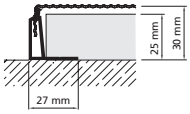
Skirting board



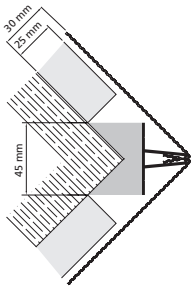
Joint centre-to-centre distance: 1,500 mm



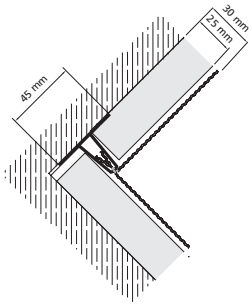
Edges



Outside 90° angle



Inside 90° angle



Lead time
– 3 weeks

Professionals to be consulted
Upholsterers

Vibrasto 10 and 20

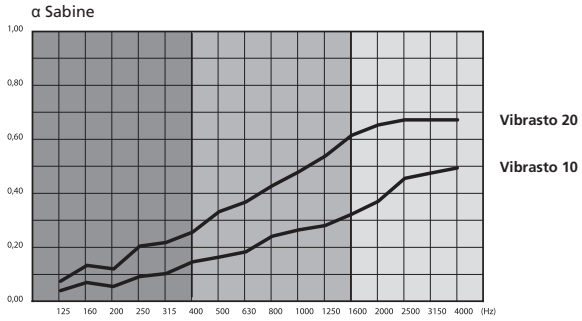
Stretched and Glued Acoustic Materials

Vibrasto 10 and **20** are glue-installed acoustic coverings consisting of an **Aeria** textile facing over a 10 or 20 mm thick layer of sound-absorbing foam. **Vibrasto 10** and **20** coverings not only offer remarkable acoustic properties, but can be fitted around the most delicate curves or angles due to their flexibility and malleability.

Width 1,500 mm

Acoustics

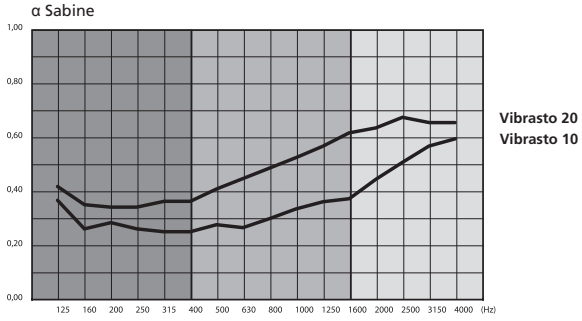
• For **Vibrasto 10** and **20** glued to concrete



Frequencies (Hz)	α_w	Class	NRC	125	250	500	1,000	2,000	4,000	5,000
Vibrasto 20	0.39 (H)	D	0.45	0.07	0.20	0.32	0.48	0.65	0.67	0.66
Vibrasto 10	0.25 (H)	E	0.25	0.04	0.09	0.16	0.26	0.37	0.49	0.56

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

• For **Vibrasto 10** and **20** glued to plasterboard screwed onto a frame and a 45 mm layer of rock wool



Frequencies (Hz)	α_w	Class	NRC	125	250	500	1,000	2,000	4,000	5,000
Vibrasto 20	0.50 (H)	D	0.50	0.42	0.34	0.41	0.53	0.69	0.75	0.74
Vibrasto 10	0.35 (H)	D	0.35	0.37	0.27	0.28	0.33	0.49	0.69	0.81

This conventional support offers additional absorption at low frequencies.

Typical Specification Sheet

☐ The walls will be treated with **Texaa®'s** non-flammable, non-dripping **Vibrasto** ……
[specify whether **10** or **20**], 1,500 mm wide.
Its absorption coefficient α_w on concrete is ……
[specify 0.25 (H) or 0.39 (H)].
Its total thickness is …… (specify 12 or 22 mm)

☐ The ceilings will be treated with **Texaa®'s** non-flammable, non-dripping **Vibrasto 10**,
1,500 mm wide, consisting of **Aeria** fabric fitted to an SI foam.
Its absorption coefficient α_w on concrete is 0.25 (H).
Its total thickness is 12 mm

European reaction to fire classification:
No flaming droplets or particles
Reminder: French law requires that for ceiling coverings only class B, **Vibrasto 10**, can be used.

Vibrasto 10: B-s3, d0

Vibrasto 20: C-s3, d0

Colours
Select from a range of 24 round knit colours

Installation Methods

Vibrasto does not hide hollows, bumps or other surface irregularities; before installation, surfaces must imperatively be flat, clean and air-tight. They must also be suitable for the gluing of a flexible covering. Low-angled lighting must also be avoided.

Skirting
It must be 2 mm thicker than the **Vibrasto**.

Surrounds of openings (doors and windows)
Openings must be framed either by mouldings that are at least 2 mm thicker than the **Vibrasto**, or by a finishing element chosen by the architect.

Joints
The joints between the fabric strips are produced as pencil line joints. The overhanging edges of the **Aeria** fabric are inserted into U-section profiles running along these seams.
Centre-to-centre distance: 1,500 mm

Outside 90° corner
The covering can be bent around the angle. Pressing the covering down firmly on both sides of the corner ensures satisfactory bonding.

Inside 90° corner
One strip of covering is butted into the corner. The next strip is butted against the face of the previous strip.

Butted edges
The covering shall be butted up against the ceiling (or walls).

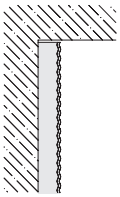
Electrical fixtures (for Vibrasto 20)
Plug sockets and switches must stand out by 20 mm from the surface.

Visible sides (optional)
The visible sides of the covering can be concealed in fabric-covered L-shaped profiles (20 mm wide).

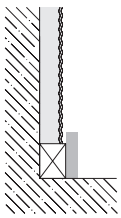
Note
Different batches of the same colour shade may show very slight variations; the short specs described room per room must therefore imperatively be respected.

Packaging
The length of a **Vibrasto 10** strip cannot exceed 12.50 lm. The length of a **Vibrasto 20** strip cannot exceed 6.80 lm.

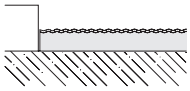
Ceiling



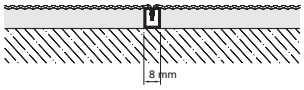
Skirting board



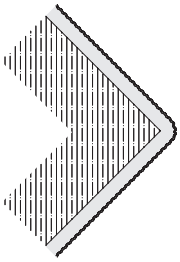
Surround of an opening (door or window)



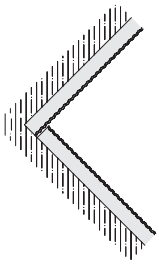
Joint/centre-to-centre distance: 1,500 mm



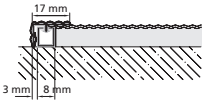
Outside 90° corner



Inside 90° corner



Visible sides (option)



Lead time
– 3 weeks

Professionals to be consulted
Experienced covering contractors, upholsterers.

Vibrasto Blinds

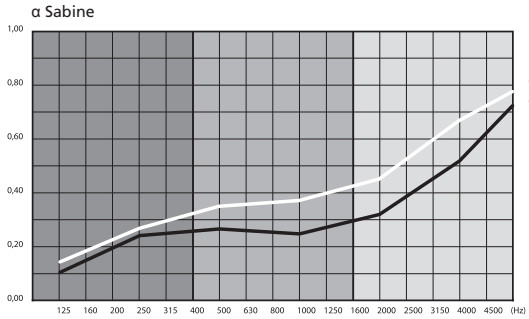
Suspended Acoustic Materials

When used in open-plan spaces, they enhance user comfort by creating subtle visual divisions. When fitted in front of glazed surfaces, **Vibrasto** blinds reduce the levels of reflected sound and filter incoming light. Their blades consist of a foam or acoustic wool core protected on both sides by **Aeria** fabric. They can be fitted to conventional headrail systems and comply fully with fire safety regulations.

Two versions:
– **Vibrasto 10 blinds**
133-mm blades
Square knit, off-white or black
– **Vibrasto 03 blinds**
Blades cut into 3 x 44 mm strips
Round knit, 24 colours
Can be rotated and stacked

Acoustics

• For blinds with blades



Vibrasto 10 blinds: blades open at 90°
Vibrasto 03 blinds: free-hanging strips open at 90°

Frequencies (Hz)	α_w	Class	NRC	125	250	500	1,000	2,000	4,000	5,000
Vibrasto 10 blinds										
Blades open at 90°	0.40 (H)	D	0.35	0.13	0.27	0.34	0.36	0.44	0.67	0.77
Blades closed at 180°	0.43 (H)	D	0.40	0.07	0.19	0.39	0.53	0.47	0.64	0.70
Vibrasto 03 blinds										
Blades open at 90°	0.31 (H)	D	0.27	0.09	0.24	0.26	0.25	0.32	0.52	0.72
Blades closed at 180°	0.34 (H)	D	0.32	0.02	0.11	0.28	0.51	0.40	0.58	0.73

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

Typical Specification Sheet

Installation of Texaa® Vibrasto acoustic blinds [specify]:
☐ Within the open space in a room ☐ In front of windows

The vertical acoustic blades are made up of:
– For **Vibrasto 10** blades, a black SI foam 10-mm thick
– For **Vibrasto 03** blades, a black felt 3-mm thick
– **Aeria** fabric on both faces of the foam
– A hanging plate concealed inside a hem on the top of each blade
– No weighting

Rail dimensions
– Rail length ≤ 3 lm
– Rail weight: 0.8 kg/lm
– Maximum weight: 16 kg, i.e. 12 m^2 for the **Vibrasto 10** blades
16 m^2 for the **Vibrasto 03** blades

French reaction to fire classification: M1 non dripping

Choice of two finishes [specify]
☐ **Vibrasto 10,** square knit, off-white or black:
– Blade width: 133 mm
– Blade thickness: 12 mm
– Blade height: ≤ 3 m (±0.5 % after 72 hrs)
– Blade weight: 0.17 kg/lm

☐ **Vibrasto 03, Aeria** round knit, available in 24 colours:
– Blade width: 3 x 44 mm, 133 mm over all
– Blade thickness: 4 mm
– Blade height: ≤ 3 m (±0.5 % after 72 hrs)
– Blade weight: 0.13 kg/lm

Installation Method

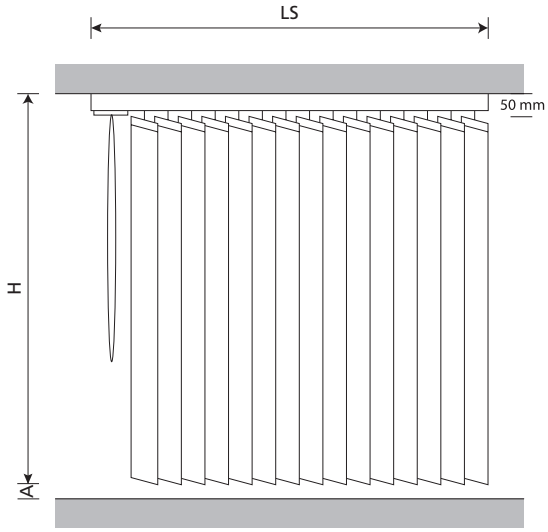
Vibrasto blinds are suspended from a rail, with a cross-section of 40 x 25 mm, with cord-operated rotation and stacking, available in lacquered white.

Lead time
– 4 weeks for blades without rail
– 5 weeks for blades with rail

Professionals to be consulted
Blind fitters

Vibrasto 10 blinds. To ensure that the blinds retain their dimensions, the **Aeria** textile covering is knitted using a square knit, available in off-white or black only. The natural weight of the blades makes traditional weights and chains unnecessary.

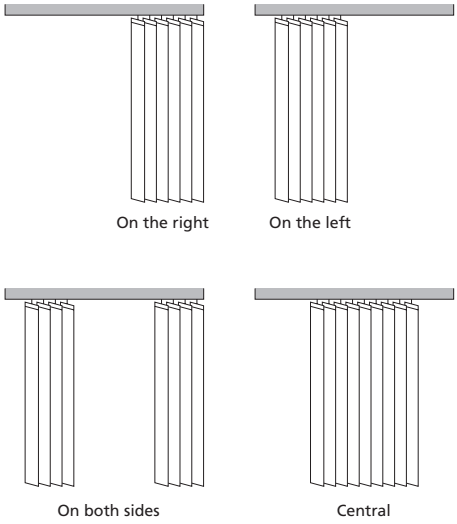
Vibrasto 03 blinds–with free-hanging strips. The blades are cut longitudinally into three strips. Since there is a "fun" element to the installation, the dimensional precision can be more relaxed. Moreover, these blinds are available in any of the 24 colours in the **Aeria** range (round weave).



A = Minimum clear space required below blinds:
- **Vibrasto 10** blades = 50 mm
- **Vibrasto 03** blades = 100 mm

H = Blind height (bottom of blades to top of rail)
LS = Blind length

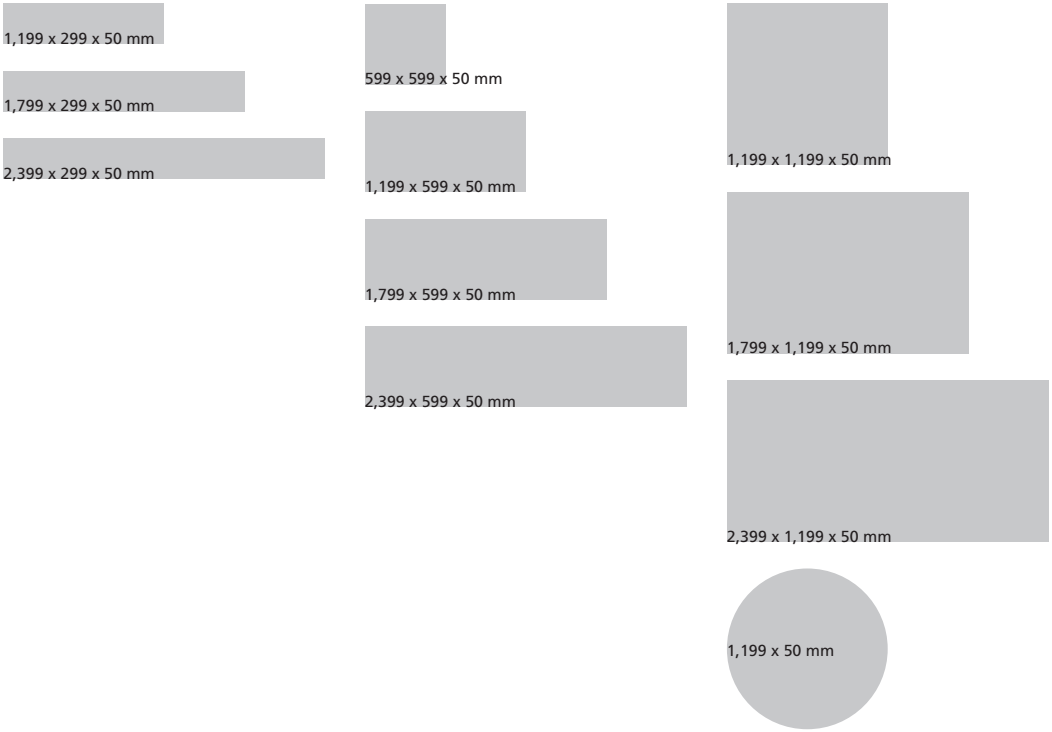
Blade stacking direction



Stereo Acoustic Panels

Stereo Single-sided Panels

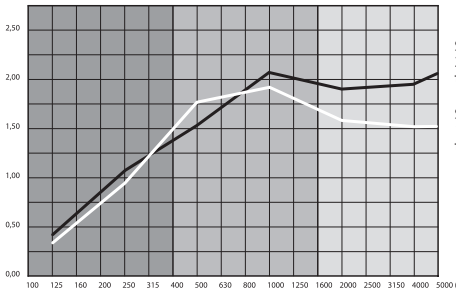
Texaa® pioneered the management of acoustics by introducing objects into a volume. Our **Stereo** single-sided panels reduce the reverberation of sound within a wide range of spaces. Available in a multitude of sizes and in any of the 24 colours created for our **Aeria** fabric, they complement all settings, new and refurbished. Hung individually, combined or in clusters, **Stereo** single-sided panels can be arranged to create acoustic "clouds" floating above the room.



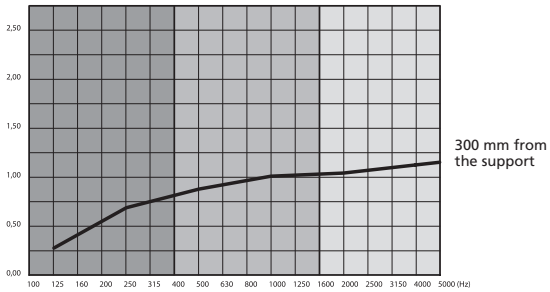
Acoustics

• For a 1,199 x 1,199 x 50 mm panel

Equivalent absorption area of an object A (m²)–spacing: 1,500 mm



α Sabine–suspended clustered



Frequencies (Hz)	125	250	500	1,000	2,000	4,000	5,000			
Equivalent absorption area of an object A (m²)–spacing: 1,500 mm										
Suspended 300 mm from the support	0.47	1.07	1.52	2.04	1.88	1.97	2.05			
Screwed10/20 mm from the support	0.38	0.90	1.78	1.89	1.60	1.51	1.51			
αSabine–clustered (floating layout)								α_w	class	NRC
300 mm from the support	0.29	0.70	0.85	1.01	1.05	1.11	1.14	0.93	A	0.90

Test report available on request–Standard NF EN 20354/ISO 354
When light fittings are embedded within a panel, the acoustic performance may be reduced–contact us for details.

Typical Specification Sheet

The acoustic absorption will be provided by **Texaa®** Stereo single-sided panels, consisting of:
– A metal frame
– A grey AN cellular foam
– A grey or black micro-porous cloth
– A removable and washable **Aeria** textile cover on one face

Dimensions/Weights/Acoustics [specify]

	Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m²) at medium frequencies		α_w
			against the support	300 mm from the support	as a "cloud"
☐	299 x 1,199 x 50	3.7	-	-	-
☐	299 x 1,799 x 50	5.0	-	-	-
☐	299 x 2,399 x 50	6.0	-	-	-
☐	599 x 599 x 50	3.3	-	-	-
☐	599 x 1,199 x 50	4.3	0.87	0.98	0.93
☐	599 x 1,799 x 50	6.0	-	-	-
☐	599 x 2,399 x 50	7.2	-	-	-
☐	1,199 x 1,199 x 50	5.6	1.77	1.72	-
☐	1,199 x 1,799 x 50	8.4	2.54	2.36	-
☐	1,199 x 2,399 x 50	9.7	3.18	3.30	-
☐	ø 1,199 x 50	6.4	-	-	-

European reaction to fire classification for an entire panel: B-s2, d0
No flaming droplets or particles
For fire safety reasons, the ceiling must not be totally enclosed by a layer of **Stereo**.
An air circulation gap of several centimeters is required around the layer.

Colours
Select from a range of 24 round knit colours

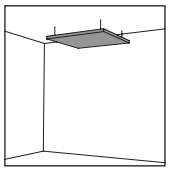
Common options
☐ "Black and White II"
☐ Centered or offset stitching (stitch length < 1,500 mm)

Installation Methods

☐ **Suspended by vertical cables, separately**
Each **Stereo** single-sided panel is suspended horizontally from the ceiling, using 4 vertical stainless steel cables (1.8 mm in diameter, 1,500 mm long), fitted with threaded end-pieces (M6) and adjustable hooks.

☐ Option: custom-made to accommodate a light fitting (size and position to be specified according to **Texaa®** specifications–see next page).

☐ Option with top side covered



The four vertical cables

Stainless steel wall plug cover (option)

Adjustable hook

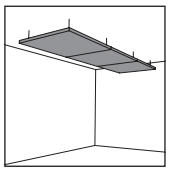
☐ **Suspended by vertical cables, joined**
Each **Stereo** single-sided panel is suspended horizontally from the ceiling, using vertical stainless steel cables (1.8 mm in diameter, 1,500 mm long), fitted with threaded end-pieces (M6) and adjustable hooks. Specially-designed securing brackets allow the panels to be assembled with precision.
Configuration to be specified in a drawing.

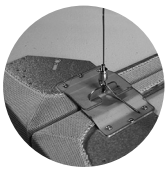
☐ Combined option (different sizes of panels)
Note: the drape and knit orientation of the covers vary with the size and location of the panels.

☐ Option: custom-made to accommodate a light fitting (size and position to be specified according to **Texaa®** specifications–see next page).

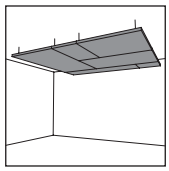
☐ Option: integration of access hatch 599 x 599 mm

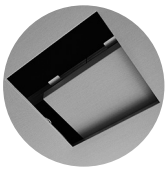
☐ Option with top side covered





Linking brackets

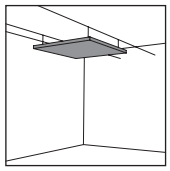




Integration of access hatch

☐ **Suspended under horizontal cables**
Each **Stereo** single-sided panel is suspended under 2 horizontal cables (not supplied) using 4 vertical, stainless steel cable (1.5 mm in diameter, 1,500 mm long), fitted with stainless steel cross-shaped cable clamps and adjustable hooks. The cross-shaped cable clamps are compatible with the horizontal cables, 2 to 6 mm in diameter.

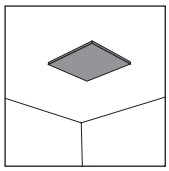
☐ Option with top side covered



Cross-shaped cable clamps

☐ **Screwed to the ceiling**
Each single-sided **Stereo** rigid panel can be attached to two 20-mm high support rails, screwed into the ceiling.
Note: fitting/removal requires a 20-mm gap on one side of the panel.

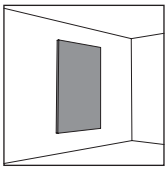
☐ Clustered option
Configuration to be specified in a drawing



☐ **Clipped to the wall, separated**

Each single-sided **Stereo** rigid panel can be clipped onto two 10-mm high rails screwed to the wall. The rails must always be horizontal. They are positioned on the side at:

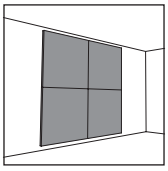
☐ 600 ☐ 1,200 ☐ 1,800 ☐ 2,400 mm [specify]

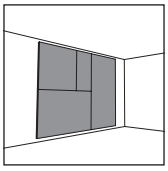


☐ **Clipped to the wall, clustered**

Each single-sided **Stereo** rigid panel can be clipped onto two 10-mm high rails screwed to the wall. For this configuration, the rails are supplied in 3-m lengths.
Configuration to be specified in a drawing

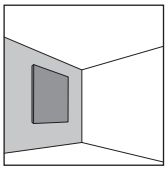
☐ Combination option (different sizes of panels)
Note: the drape and knit orientation of the covers vary with the size and location of the panels





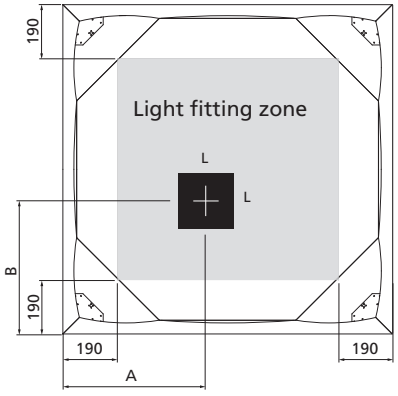
☐ **Fitted to vertical metal partitions by magnets**

Each single-sided **Stereo** rigid panel can be held against metal furniture and/or partitions by 8-mm thick magnets (4 or 6 magnets depending on the size of the panels).
Please note: check that the surface is suitable for magnets.

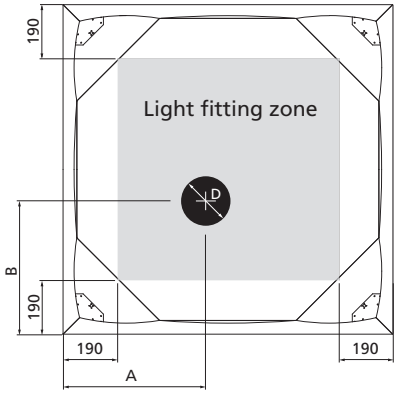


Requirements specification for light fittings

The light fitting must be positioned in the grey zone below



$A - \frac{L}{2} > 190$ mm $B - \frac{L}{2} > 190$ mm



$A - \frac{D}{2} > 190$ mm $B - \frac{D}{2} > 190$ mm

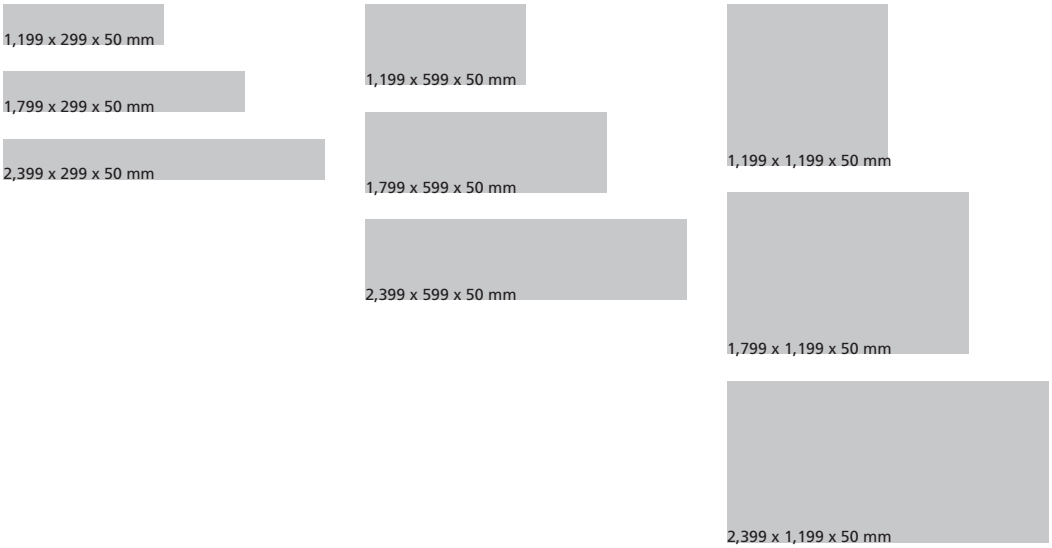
Dimensions of the light fitting zone must be specified when ordering:
– Position of the centre of the light fitting zone
– Light fitting zone dimensions

Lead time
– 3 weeks
– 4 weeks for the panels suspended by vertical cables, interlinked
+ 1 week for options

Professionals to be consulted
Fitters

Stereo Double-sided Panels, Suspended

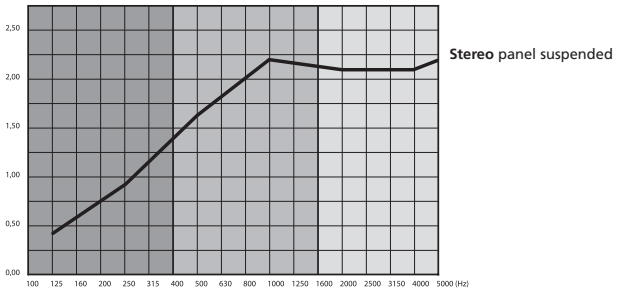
Stereo double-sided panels may be suspended between floor and ceiling and are designed to provide an acoustic solution for large open spaces. Screwed to walls or ceilings, they can be grouped to create parallel acoustic blades that dramatically redefine walls and ceilings. With a fabric covering over their visible faces, our panels offer a simple, easily transportable and effective way of marking out quiet zones or closing off individual spaces.



Acoustics

• For a 1,199 x 1,199 x 50 mm panel

Equivalent absorption area of an object A (m^2)–spacing: 1,500 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000	5,000
Suspended panel	0.46	0.96	1.62	2.21	2.09	2.09	2.19

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

Typical Specification Sheet

The acoustic absorption will be provided by **Texaa®** Stereo double-sided panels, consisting of:
– A metal frame
– A grey AN cellular foam
– A grey or black micro-porous cloth
– A removable and washable **Aeria** textile cover on all faces

Dimensions/Weights/Acoustics [specify]

	Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at medium frequencies
☐	299 x 1,199 x 50	3.8	-
☐	299 x 1,799 x 50	5.1	-
☐	299 x 2,399 x 50	6.2	-
☐	599 x 1,199 x 50	4.5	0.97
☐	599 x 1,799 x 50	6.4	-
☐	599 x 2,399 x 50	7.6	-
☐	1,199 x 1,199 x 50	6.2	1.85
☐	1,199 x 1,799 x 50	9.2	2.65
☐	1,199 x 2,399 x 50	10.8	3.62

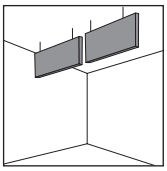
European reaction to fire classification for an entire panel: B-s2, d0
No flaming droplets or particles

Colours
Select from a range of 24 round knit colours

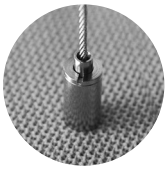
Installation Methods

☐ **Suspended from the ceiling by 2 or 3 vertical cables**
Each **Stereo** double-sided panel can be suspended vertically from the ceiling using 2 or 3 stainless steel cables (depending on the panel's width), 1.8 mm in diameter and 1,500 mm long, fitted with a threaded end-piece (M6) and an adjustable slider. The fastening elements are placed on the sides:

☐ 600 ☐ 1,200 ☐ 1,800 ☐ 2,400 mm [specify]



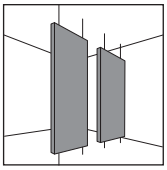
Stainless steel wall plug cover (option)



Adjustable slider

☐ **Suspended between ceiling and floor with through cable fixings**
Each **Stereo** double-sided panel is attached to two stainless steel cables that pass through the panel, held taught between the ceiling and the floor. The cables, 4 mm in diameter and 4,500 mm long are fitted with two threaded endpieces (M6) one of which can pivot and that is used to adjust the length during fitting. The cables cross through the sides:
Note: to allow correct cable tensioning, the cables should ideally be fastened to an anchor bolt in concrete.

☐ 600 ☐ 1,200 ☐ 1,800 ☐ 2,400 mm [specify]

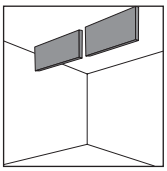


Bottom of the cable

Cable clamp, under the panel for height adjustment

☐ **Screwed to the ceiling**
Each Stereo rigid double-sided panel is fastened to a support rail, 20 mm high, screwed into the ceiling. The fastening elements are placed on the sides:
Note: to allow correct cable tensioning, the cables should ideally be fastened to an anchor bolt in concrete.

☐ 600 ☐ 1,200 ☐ 1,800 ☐ 2,400 mm [specify]



The clip engages in the rail fixed to the ceiling

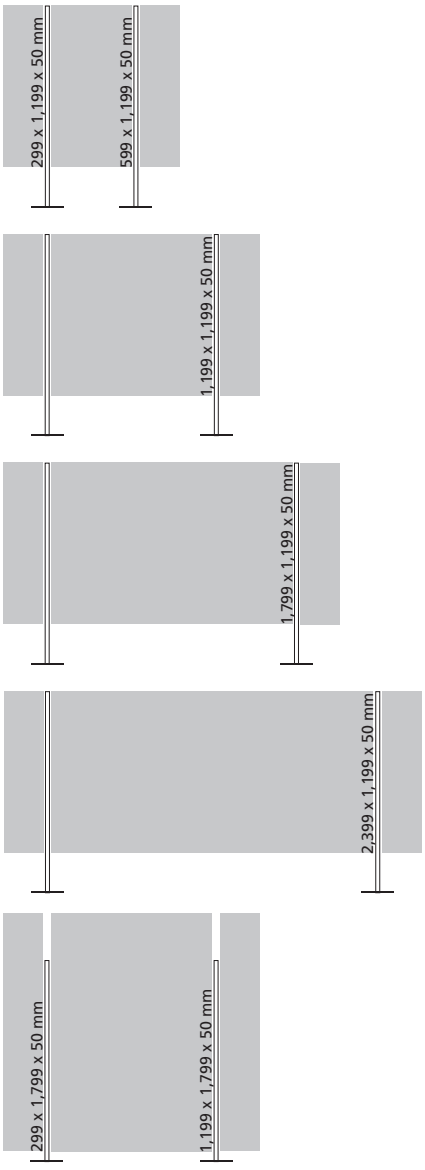
Lead time
– 3 weeks
– 4 weeks for options

Professionals to be consulted
Fitters

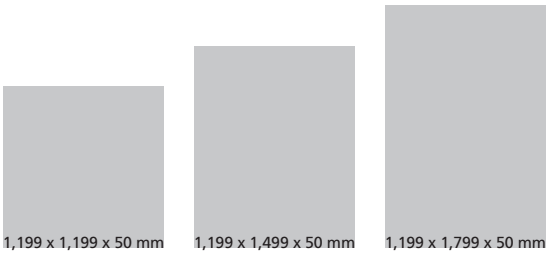
Stereo Double-sided Panels, Free-standing

Stereo double-sided panels are lightweight, rigid and easy to move from one place of work to another. Floor-standing, or clipped to or standing on a table, they provide an elegant acoustic solution that divides up spaces to improve the acoustics for users. They are particularly well suited to open-plan offices, cafeterias, reception areas, etc.

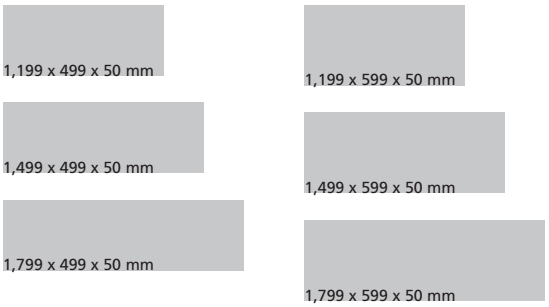
Floor-standing in groups



Floor-mounted separately



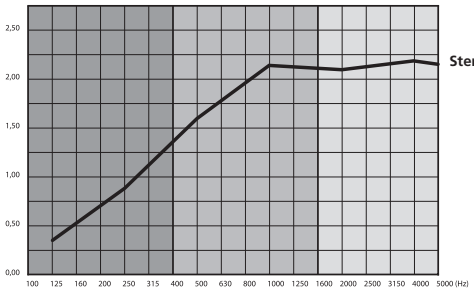
Mounted with clips on a table



Acoustics

• For a 1,199 x 1,199 x 50 mm panel

Equivalent absorption area of an object A (m²)–spacing: 1,500 mm



Stereo panel mounted on a base

Frequencies (Hz)	125	250	500	1,000	2,000	4,000	5,000
Panel mounted on a base (total h. 1,500 mm)	0.34	0.83	1.60	2.16	2.09	2.17	2.18

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

Typical Specification Sheet

The acoustic absorption will be provided by **Texaa®** Stereo double-sided panels, consisting of:
– A metal frame
– A grey AN cellular foam
– A grey or black micro-porous cloth
– A removable and washable **Aeria** textile cover on all faces

Dimensions/Weights/Acoustics [specify]

	Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m²) at medium frequencies	Total height (mm)
Stereo panels, floor-standing in groups				
☐	Wing(s) 299 x 1,199 x 50	3.8	0.60	1,500
☐	Wing(s) 299 x 1,799 x 50	5.1	0.87	1,840
☐	Panel(s) 599 x 1,199 x 50	4.5	0.96	1,500
☐	Panel(s) 599 x 1,799 x 50	6.4	-	1,840
☐	Panel(s) 599 x 2,399 x 50	7.6	-	2,440
☐	Panel(s) 1,199 x 1,199 x 50	6.2	1.86	1,500
☐	Panel(s) 1,199 x 1,799 x 50	9.2	2.70	1,840
☐	Panel(s) 1,199 x 2,399 x 50	10.8	3.60	2,440
☐	Brushed stainless steel stand	8.3	-	1,500
Stereo panels, floor-standing individually				
☐	1,199 x 1,199 x 50	9.8	1.86	1,260
☐	1,199 x 1,499 x 50	11.9	-	1,560
☐	1,199 x 1,799 x 50	12.8	2.70	1,860
☐	1,199 x 2,399 x 50	14.4	3.60	2,460
Stereo panels, mounted with clips on a table				
☐	499 x 1,199 x 50	5.7	-	510
☐	499 x 1,499 x 50	6.5	-	510
☐	499 x 1,799 x 50	6.8	-	510
☐	599 x 1,199 x 50	5.9	0.96	610
☐	599 x 1,499 x 50	7.2	-	610
☐	599 x 1,799 x 50	7.9	-	610

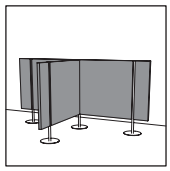
European reaction to fire classification for an entire panel: B-s2, d0
No flaming droplets or particles

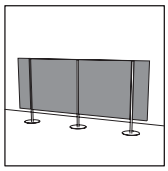
Colours: select from a range of 24 round knit colours

Installation Methods

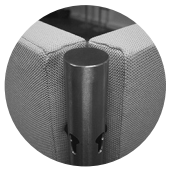
☐ **Floor-standing in groups**
Each **Stereo** double-sided panel stands on the floor between 2 brushed stainless steel stands: weight of the stand 8.3 kg, height 1,495 mm, diameter 42 mm, stand diameter 360 mm. The fastening elements are placed on the sides:

☐ 1,200 ☐ 1,800 ☐ 2,400 mm [specify]
Note: the standard stands are designed to receive 4 panels, set at 90° intervals. Custom stands can be made to order for assembling a specified number of panels (with special cut-outs). Stands designed to be anchored to the ground can also be requested.

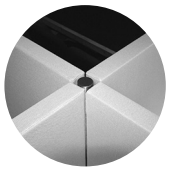




Fitting clip



Attachment to a stand



An example of a modular system

The two stand designs, for fastening to or placing on the floor

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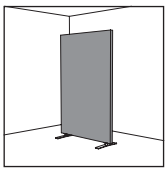
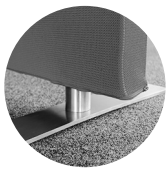
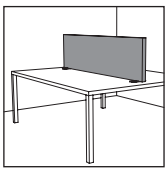
☐ **Floor-mounted separately**
Each **Stereo** double-sided rigid panel stands on the floor on two brushed stainless steel bases, screwed to the underside of the panel: weight per base 1.8 kg, height 60 mm, width 70 mm, length 450 mm. The construction of the panels provides a certain amount of versatility. It is therefore not possible to arrange them in a perfectly aligned layout.

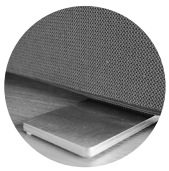




Stainless steel base

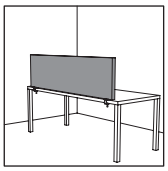
☐ **Standing on a table**
Each **Stereo** double-sided rigid panel is mounted on a table using two brushed stainless steel bases, screwed to the underside of the panel: weight per base 0.75 kg, height 12 mm, width 70 mm, length 190 mm.

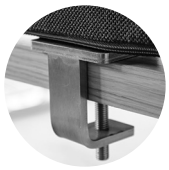




Stainless steel base

☐ **Clipped to a table**
Each Stereo double-sided rigid panel is attached to the edge of a table using brushed stainless steel clips, screwed to the underside of the panel: weight per base 0.9 kg, height 73 mm, width 70 mm, length 62 mm.





Stainless steel clip

Lead time
– 3 weeks
– 4 weeks for options

Professionals to be consulted
Fitters

Abso Removable and Mobile Acoustic Objects

The **Abso** range of lightweight, strong and stain-resistant sound-absorbing objects can be readily repositioned to manage a new acoustic situation immediately. They are very easy to install and can be fitted even after project completion, without requiring a new phase of work.

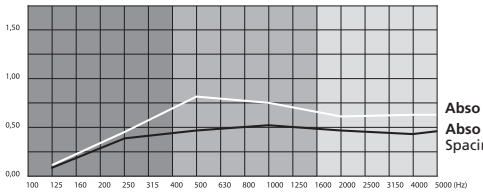
Abso Ceiling Pads, Inserted

Specially designed for standard T-bar type dropped ceilings, **Abso** pads clip effortlessly into the steel grid already in place. In just a couple of seconds they can be slotted underneath the existing ceiling tiles with the help of our quick and ultra-simple fitting system.

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

Acoustics

Equivalent absorption area of an object A (m^2)



Abso ceiling pads on a concrete support
Abso ceiling pads inserted in a suspended ceiling
Spacing: 1,200 mm

Frequencies (Hz)	125	250	500	1,000	2,000	4,000	5,000
Inserted pad*	0.11	0.39	0.48	0.51	0.48	0.43	0.47
Pad on concrete support	0.15	0.42	0.79	0.75	0.63	0.64	0.64

*In a suspended ceiling with medium level absorbency

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

Typical Specification Sheet

Acoustic absorption is supplemented by **Texaa®** **Abso** ceiling pads made up of:
– Metal supporting corner brackets
– Grey AM cellular foam
– A non-removable **Aeria** fabric cover on one face

Type of suspended ceiling Dimensions/Weight/Acoustics [specify]

	Frame (mm)	Dimensions (mm)*	Weight (kg)	Equivalent absorption area A (m^2) at medium frequencies
☐	600 x 600 T24	582 x 582 x 83	0.8	0.52
☐	600 x 600 T15	592 x 592 x 70	0.8	0.52
☐	610 x 610 T24	592 x 592 x 70	0.8	0.52
☐	625 x 625 T24	607 x 607 x 70	0.8	0.52

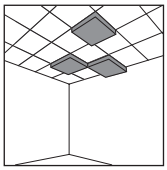
* ±6 mm depending on humidity

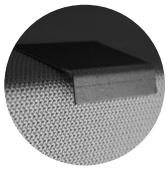
French reaction to fire classification for the entire item: M1 non dripping

Colours: select from a range of 24 round knit colours

Installation Method

☐ **Inserted in suspended ceilings**





Metal supporting corner brackets

Lead time
– 3 weeks

Professionals to be consulted
Fitters

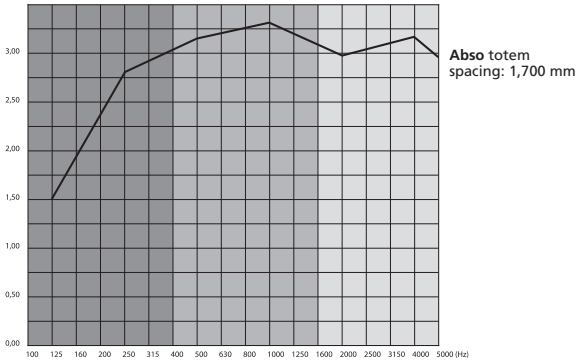
Abso Totems, Floor-mounted

Abso totems organise open spaces by indicating the location of quiet zones. They are well suited to transit areas, open-plan offices, meeting rooms, etc. In addition to their instant and effective impact on sound quality, they are also inventive decorative features.

Acoustics

• For a 2,000 x 380 x 380 mm totem

Equivalent absorption area of an object A (m^2)



Frequencies (Hz)	125	250	500	1,000	2,000	4,000	5,000
2,000 x 380 x 380 mm totem	1.51	2.81	3.14	3.27	2.99	3.09	2.98

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

Typical Specification Sheet

The acoustic absorption is provided by **Texaa® Abso** totems, consisting of:
– Grey AM cellular foam,
– A non-removable **Aeria** fabric covering
– A brushed stainless steel container
Each totem shall stand on the floor.

Dimensions/Weight/Acoustics [specify]

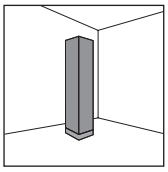
Dimensions (mm)	Weight (kg)	Equivalent absorption area A (m^2) at medium frequencies
☐ 2,000 x 380 x 380 totem	7.350	3.22
of wich, container (depth: 58 mm)	3.600	-

French reaction to fire classification for the Aeria: M1 non dripping
French reaction to fire classification for the foam: M1 non dripping

Colours: select from a range of 24 round knit colours

Installation Method

☐ **Floor standing**



Brushed stainless steel container

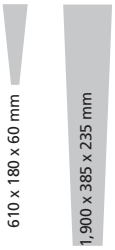
Lead time
– 3 weeks

Professionals to be consulted
Fitters

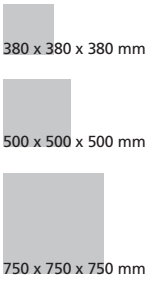
Abso Cones, Cubes and Totems, Suspended

Suspended from the ceiling by a vertical cable, these lightweight objects are ideal for resolving challenging acoustic reverberation problems. They provide a playful solution for structuring open spaces, bringing everyday environments to life and adapting easily to all types of ceilings.

Abso 610, 1900 cones



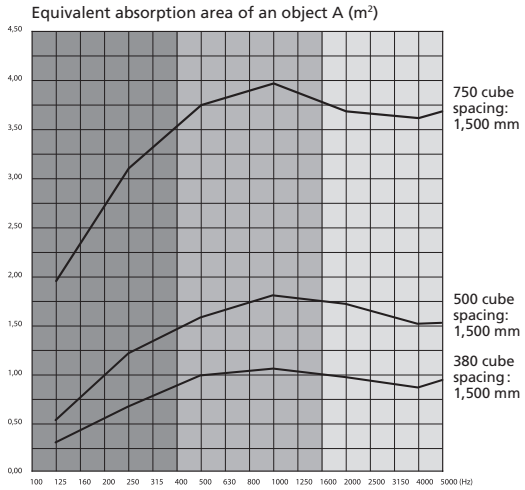
Abso 380, 500, 750 cubes



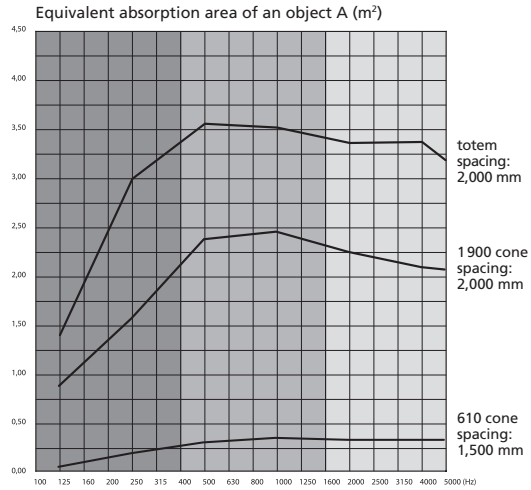
Abso totems

Acoustics

• For a 380, 500 and 750 cube



• For a 610 and 1900 cone and a totem



Frequencies (Hz)	125	250	500	1,000	2,000	4,000	5,000
380 cube	0.27	0.62	0.98	1.04	0.97	0.86	0.90
500 cube	0.52	1.20	1.61	1.79	1.73	1.51	1.54
750 cube	1.94	3.10	3.75	3.91	3.70	3.59	3.70
610 cone	0.05	0.17	0.28	0.33	0.32	0.30	0.30
1900 cone	0.81	1.53	2.37	2.48	2.25	2.13	2.23
totem	1.43	3.09	3.57	3.51	3.32	3.35	3.19

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

Typical Specification Sheet

The acoustic absorption will be provided by **Texaa® Abso**:
☐ cubes ☐ cones ☐ totems
consisting of a grey AM cellular foam and an **Aeria** removable and washable cover

Dimensions/Weight/Acoustics [specify]

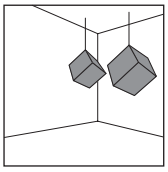
	Object	Dimensions (mm)	Weight(kg)	Equivalent absorption area A (m^2) at medium frequencies
☐	380 cube	380 x 380 x 380	0.8	1.00
☐	500 cube	500 x 500 x 500	1.6	1.65
☐	750 cube	750 x 750 x 750	5.4	3.82
☐	610 cone	610 x 180 x 60	0.22	0.29
☐	1900 cone	1,900 x 385 x 235	2.1	2.44
☐	totem	2,000 x 380 x 380	4.1	3.55

French reaction to fire classification for the Aeria: M1 non dripping
French reaction to fire classification for the foam: M1 non dripping

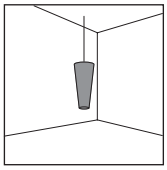
Colours: select from a range of 24 round knit colours

Installation Methods

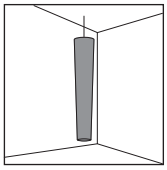
☐ **Cubes suspended**
The item is suspended using a fabric loop and a stainless steel cable (1.8 mm in diameter, 1,500 mm long), fitted with a threaded endpiece (M6) and an adjustable hook

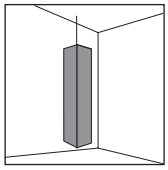


☐ **610 cone suspended**
The item is suspended using a ring and a stainless steel cable (1.8 mm in diameter, 1,500 mm long), fitted with a threaded endpiece (M6) and an adjustable hook



☐ **1900 cone and totem suspended**
The item is suspended using a fabric loop and a stainless steel cable (1.8 mm in diameter, 1,500 mm long), fitted with a threaded endpiece (M6) and an adjustable hook





Lead time
– 3 weeks
– 4 weeks for cube 750

Professionals to be consulted
Fitters

Technical Characteristics: Vibrasto

* Sound transparent textile, exclusively patented by **Texaa®**

Definition	**Vibrasto 10**	**Vibrasto 20**
Installation	Glued	Glued
Absorbent material		
– Black or grey open-cell SI foam, thickness	10 mm	20 mm
– Black or grey felt, thickness	-	-
– RI panel (black cloth), thickness	-	-
Surface	Round knit **Aeria***	Round knit **Aeria***
– Colours	24	24
Physical properties		
– Weight	0.9 kg/m²	1.6 kg/m²
– Total thickness/overall size	12 mm +0/-1	22 mm +0/-1
– Width	1,500 mm +20/-20	1,500 mm +20/-20
– Length	To suit requirements and packaging limitations	
– Formability (length ou width)	±1.5 %	±1 %
– Thermal resistance (EN 12667)	0.25 m² K/W	0.47 m² K/W
– Light reflectance pearl grey colour MR 820 (Datacolor v2.3 colorimeter)	83 %	83 %
Ruggedness		
Mechanical properties		
– Abrasion resistance (EN 530–number of rubs)	> 40,000	> 40,000
– Fraying	No	No
– Dimensional variations in normal temperature and humidity conditions	< 0.1 %	< 0.1 %
– 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 6)	≥ 5	≥ 5
– Conditions of normal exposure	Relative humidity of up to 30 % and 75 % and temperature between 10 °C and 30 °C	
– Conditions of exceptional exposure	Relative humidity of up to 20 % and 90 % and temperature between 10 °C and 30 °C	
Safety and hygiene		
Fire safety rating class	No flaming droplets or particles	No flaming droplets or particles
– France NF	-	-
– Europe EN	B-s3, d0	C-s3, d0
– United States ASTM	-	-
Upper calorific potential (EN ISO 1716)	12.96 MJ/kg	13.77 MJ/kg
Upper calorific potential (EN ISO 1716)	11.67 MJ/m²	22.03 MJ/m²
Environment		
Development of micro-organisms	The materials used reduce the presence of house dust mites and micro-organisms	
HQE® approach, standard NF P01-010	Health and environment declaration sheets available	
Emissions of VOC and formaldehyde (ISO 16000)	A+	A+
In accordance with German protocol AgBB (March 2008)	Passes	Passes
LEED certification		
– Place of origin of the products	Made in France	Made in France
– Very low emission of VOC, in accordance with CDPH-IAQ protocol	Complies	Complies
Maintenance		
Aeria* dust and soiling repellent coating	Clean with a vacuum cleaner every one to five years, depending on local conditions***	
	-	-

** Except "Black and White II" supplied at a width of 1,420 mm *** Refer to the maintenance sheets

Vibrasto 03	Vibrasto 10 Blinds	Vibrasto 03 Blinds
Stretch	Suspended, rotatable	Suspended, rotatable
-	10 mm (black)	-
3 mm	-	3 mm (black)
25 mm	-	-
Round knit **Aeria***	Round knit **Aeria***	Round knit **Aeria***
24	2	24
0.51 kg/m² 25-mm RI panel: 1.55 kg/m²	Blade: 0.17 kg/ml Max. for blind 16 kg (12 m²)	Blade: 0.13 kg/ml Max. for blind 16 kg (16 m²)
30 mm	12 mm ±1 mm	4 mm ±0.2 mm
1,520 +10/-10**	133 mm ±2 mm	3 hanging strips x 44 mm
To suit requirements and packaging limitations	Height ≤ 3 m (± 0.5% after 72 hrs)	
+3 %–0 %	-	-
0.09 m² K/W 25-mm RI panel: 0.71 m² K/W	0.25 m² K/W	0.09 m² K/W
83 %	80 % (for off-white colour)	83 %
> 40,000	> 20,000	> 40,000
No	No	No
< 0.1 %	< 1.0 %	< 1.0 %
≥ 5	≥ 5	≥ 5
7 10¹⁰ Ω	7 10¹⁰ Ω	7 10¹⁰ Ω
≥ 5	≥ 5	≥ 5
Relative humidity of up to 30 % and 75 % and temperature between 10 °C and 30 °C		
Relative humidity of up to 20 % and 90 % and temperature between 10 °C and 30 °C		
No flaming droplets or particles	No flaming droplets or particles	No flaming droplets or particles
25-mm RI panel: M0	M1 non dripping	M1 non dripping
B-s1, d0 25-mm RI panel: A2-s1, d0	-	-
Class A	-	-
20.22 MJ/kg for **Vib. 03** RI panel: 2.31 MJ/kg	-	-
10.31 MJ/m² for **Vib. 03** RI panel: 3.57 MJ/m²	-	-
The materials used reduce the presence of house dust mites and micro-organisms		
Health and environment declaration sheets available		
A+	A+	A+
Passes	Passes	Passes
Made in France	Made in France	Made in France
Complies	Complies	Complies
Clean with a vacuum cleaner every one to five years, depending on local conditions***		
Removable	Removable	Removable

Technical Characteristics: Stereo and Abso

	Common cover
	-
Definition	**Aeria***
Structure	Innovative sound transparent knitted fabric
Colours in range	24
Physical properties	
Density EN ISO 845	0.320–0.340 kg/m²
Thermal conductivity (EN 12667)	0.042 w/mk
Continuous resistance to heat	< 80 °C
Light reflectance (pearl grey colour MR 820–datacolor colorimeter V2.3)	83 %
Ruggedness	
Mechanical properties	
– Tensile strength at break (ISO 1798)	-
– Elongation at break (ISO 1798)	-
– Resistance to compression (ISO 3386-1)	-
– Abrasion resistance (EN 530–number of rubs)	> 40,000
– Fraying	No
– Dimensional variation (under normal conditions of T and HR)	None
– Colour fastness (ISO 105-B02–scale to 1 at 8)	≥ 5
– Electrostatics properties (EN 1149-1)	7 10^{10} Ω
– Fluid repellent treatment AATCC118 (scale to 1 at 6)	Coeff ≥ 5
– Conditions of normal exposure	Relative humidity of up to 30 % and 75 % and temperature between 10 °C and 30 °C
– Conditions of exceptional exposure	Relative humidity of up to 20 % and 90 % and temperature between 10 °C and 30 °C
Safety and hygiene	
Fire safety rating class	No flaming droplets or particles
– France NF	M1 non dripping
– Europe EN	B-s1, d0
– Germany DIN	B1 (orientation test)
– United States ASTM	Class A
Upper calorific potential (EN ISO 1716)	19.851 MJ/kg
Upper calorific potential (EN ISO 1716)	6.55 MJ/m²
Environment	
Development of micro-organisms	The materials used reduce the presence of house dust mites and micro-organisms
HQE® approach, standard NF P01-010	-
Emissions of VOC and formaldehyde (ISO 16000)	A+
In accordance with German protocol AgBB (March 2008)	-
LEED certification	
– Place of origin of the products	Made in France
– Very low emission of VOC, in accordance with CDPH-IAQ protocol	Complies
Maintenance	
Aeria* dust and soiling repellent coating	Clean with a vacuum cleaner every one to five years, depending on local conditions***
	Removable cover, machine washable at 30 °C dry flat**

* Sound transparent textile, exclusively patented by Texaa®

Stereo			Abso
Constituents		Complete panel	Constituents
AN foam	Cloth		AM foam
Open cell foam	micro-porous cloth	(Frame in steel + aluzinc)	Open cell foam
Grey	Black or grey (depending on colour chosen)	-	Light grey
6–8 kg/m³	0.049–0.060 kg/m²	-	8–10 kg/m³
0.032–0.034 w/mk	-	-	0.032–0.034 w/mk
50 hrs at 150 °C	-	-	50 hrs at 150 °C
-	-	-	-
> 90 kPa	-	-	> 90 kPa
> 21 %	< 5 %	-	> 10%
> 4 kPa	-	-	> 5 kPa
-	-	-	-
-	-	-	-
±1 %	-	None	±1 %
-	-	-	-
-	-	-	-
-	-	-	-
Relative humidity of up to 30 % and 75 % and temperature between 10 °C and 30 °C			
Relative humidity of up to 20 % and 90 % and temperature between 10 °C and 30 °C			
-	-	No flaming droplets or particles	-
-	-	-	M1 non dripping
-	-	B-s2, d0	-
-	-	-	B1
-	-	Class A	-
19.915 MJ/kg	18.874 MJ/kg	19.784 MJ/kg	19.915 MJ/kg
6.27 MJ/m²	0.94 MJ/m²	13.75 MJ/m²	-
The materials used reduce the presence of house dust mites and micro-organisms			
-	-	Footprint declarations available	-
A	-	A	A
-	-	Passes	-
Made in Germany Complies	Made in France Complies	Made in France Complies	Made in Germany Complies
Clean with a vacuum cleaner every one to five years, depending on local conditions***			
Removable cover, machine washable at 30 °C dry flat**			

** Except for pads and totems

*** Refer to the maintenance sheets

For more than thirty years, **Texaa®** has designed, developed and manufactured materials, panels and objects that improve the acoustics of the places in which we live and work.
Texaa® products are made from sound-absorbing foam or wool covered in a high-quality sound transparent fabric*, and are available in a range of 24 colours. We knit our fabrics and assemble our products in south-west France.

* **Aeria**, sound transparent fabric, patented by **Texaa®**

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