

# Stereo

## Panels and acoustic screens for architecture

Our **Stereo** range of rigid acoustic panels and screens is designed to reduce excessive reverberation in large spaces. It is available in a multitude of sizes and the 24 fabric colour finishes of our exclusive sound transparent **Aeria\*** textile range, providing the perfect sound solution for interiors both new and old, contemporary and traditional. The rigid metal skeleton frames guarantee the strict geometric format of each element, inspiring their use in creative combination, from elegant lines and constellations to suspended acoustic ceiling clouds or sound shields, for use on walls or ceilings and in open spaces.

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### 1-1. STEREO PANELS

The panels from our Stereo range may be used individually or in combination to create pure lines and patterns, or exceptionally effective aerial acoustic clouds of varying sizes, fixed to the ceiling or seemingly floating in empty space. They may be suspended with vertical or horizontal cable fixings, screwed or clipped into walls or ceilings, or fitted to vertical metal surfaces with magnets.

596 x 1,196 x 50 mm  
596 x 1,796 x 50 mm  
596 x 2,396 x 50 mm  
1,196 x 1,196 x 50 mm  
1,196 x 1,796 x 50 mm  
1,196 x 2,396 x 50 mm

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suspended in lines and attached together with steel brackets  
suspended in clouds  
suspended with vertical cable fixings  
suspended from horizontal cable fixings  
screwed to the ceiling / clipped to walls  
fitted to vertical metal surfaces with magnets

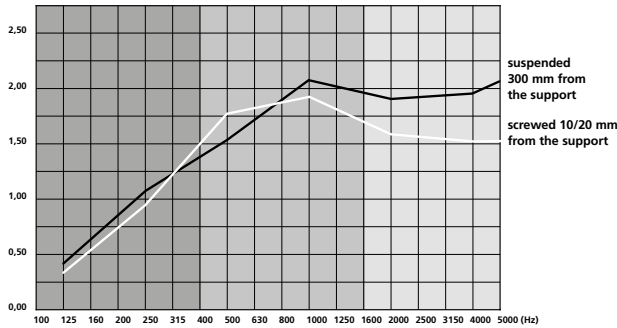
\*Aeria, our sound transparent fabric, exclusively patented by Texaa®

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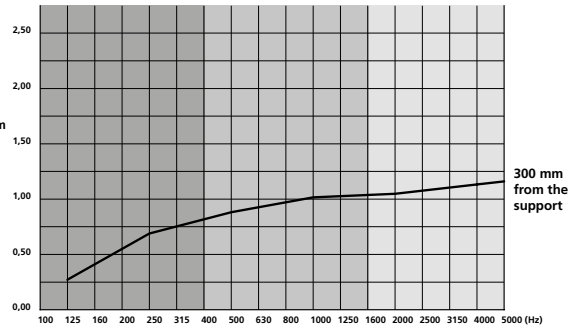
## ACOUSTICS

### For a panel fabric-covered on one face 1,196 x 1,196 x 50 mm

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



α Sabine - clustered



Frequencies (Hz) 125 250 500 1 000 2 000 4 000 5 000

#### Panel one face 1,196 x 1,196 x 50 mm

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
– screwed 10/20 mm from the support	0,38	0,90	1,78	1,89	1,60	1,51	1,51

α Sabine – in a cluster (floating cloud)

– à 300 mm from the support	0,29	0,70	0,85	1,01	1,05	1,11	1,14	αw	class	NRC
								0,93	A	0,90

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

When light fitments are embedded within a panel the acoustic performance may be reduced – contact us for details.

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## TYPICAL SPECIFICATION SHEET

The acoustic absorption is provided by **Texaa® Stereo** rigid panels, fabric covered on one face, consisting of :

- a metal frame,
- grey AN cellular foam,
- grey or black microporous cloth,
- a removable **Aeria** fitted cover on one face.

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### Dimensions/weight/acoustics (to be specified)

Dimensions	weight	Equivalent absorption area of an object A (m²) at medium frequencies		αw
		against the support	300 mm from the support	as a "cloud"
<input type="checkbox"/> 596 x 1,196 x 50 mm	3,1 kg	0,87	0,98	0,93
<input type="checkbox"/> 1,196 x 1,196 x 50 mm	5,05 kg	1,77	1,72	0,93
<input type="checkbox"/> 1,796 x 1,196 x 50 mm	7,03 kg	2,54	2,36	
<input type="checkbox"/> 2,396 x 1,196 x 50 mm	9,13 kg	3,18	3,30	

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### Fire rating

- Europe B-s2, d0
- France M1 non dripping

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### Colours

- Select from the range of 24 round knit colours.

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### Common options

- Digital printing (image supplied by the customer in accordance with **Texaa®** requirements)

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## FASTENING METHODS

### \_SUSPENDED WITH VERTICAL CABLE FIXINGS

Each **Stereo** rigid panel, fabric covered on one face, can be suspended horizontally from the ceiling using 4 vertical stainless steel cables (2 mm in diameter and 1,500 mm long) fitted with threaded endpieces (M6) and adjustable hooks.

- Option: custom-made to accommodate a light fitment (size and position to comply with the requirements specified by **Texaa**<sup>®</sup>).
- Option: hole cut out for a wire to a light fitment (16 mm in diam.) – position to be determined.
- Option: cable length of 3,000 mm.
- Option: fabric covered upper face.

### \_SUSPENDED IN LINES AND ATTACHED TOGETHER WITH STEEL BRACKETS

Each **Stereo** rigid panel, fabric covered on one face, can be suspended from the ceiling in a horizontal line using vertical stainless steel cables (2 mm in diameter and 1,500 mm long) fitted with threaded endpieces (M6) and adjustable hooks. Each line consists of \_\_\_panels (specify).

The various panels are fastened together using steel brackets that reduce the number of cables required.

The position of suspension points is on side:

- 600     1,200     1,800     2,400 mm (specify).
- Option: custom-made to accommodate a light fitment (size and position to comply with the requirements specified by **Texaa**<sup>®</sup>).

### \_SUSPENDED IN CLOUDS

Each **Stereo** rigid panel, fabric covered on one face, can be attached, using special hinges, to a metal frame suspended horizontally from the ceiling.

Each acoustic cloud consists of \_\_\_panels (specify).

- Option: custom-made to accommodate a light fitment (size and position to comply with the requirements specified by **Texaa**<sup>®</sup>).
- Option: 100 mm L borders to conceal the frame.
- Option: frame suspended using cables.

### \_SUSPENDED WITH HORIZONTAL CABLE FIXINGS

Each **Stereo** rigid panel, fabric covered on one face, can be suspended from the ceiling using two, 3-mm diameter horizontal cables (not supplied), and 4 stainless steel cross-shaped cable clamps.

- Option: fabric covered upper face.

### \_SCREWED TO THE CEILING

Each **Stereo** rigid panel, fabric covered on one face, can be attached to two, 20-mm high support rails, screwed to the ceiling.

### \_CLIPPED TO THE WALL

Each **Stereo** rigid panel, fabric covered on one face, can be clipped to two, 10-mm high rails, screwed to the wall.

The rails must always be horizontal, and the position of fixing side:

- 600     1,200     1,800     2,400 mm (specify)
- Option: panels arranged in clusters (in this case, the rails delivered are 3 m long).

### \_FITTED TO VERTICAL METAL SURFACES WITH MAGNETS

Each **Stereo** rigid panel, fabric covered on one face, is held against metal furniture or partitions by 8-mm thick magnets (4 or 6 magnets, depending on the size of the panels).

Note! Check that the support is attracted to magnets.

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#### Lead time

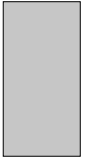
- 3 weeks for standard products,
- 4 weeks if options are ordered,
- 5 weeks for digital printing.

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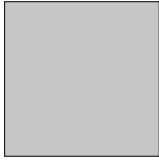
#### Professionals involved

Interior designers, fitters of suspended ceilings.

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**STEREO PANELS**



596 x 1,196 x 50 mm



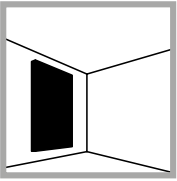
1,196 x 1,196 x 50 mm



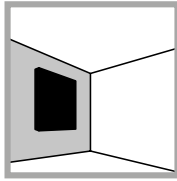
1,796 x 1,196 x 50 mm



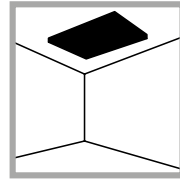
2,396 x 1,196 x 50 mm



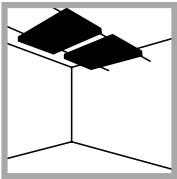
Stereo panels  
 – Clipped to the wall



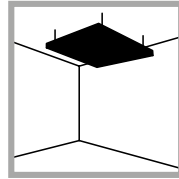
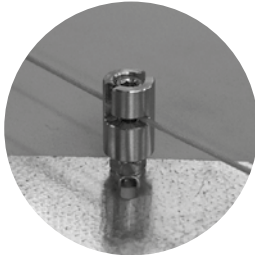
– Fastened with magnets to metal  
 furniture or partitions



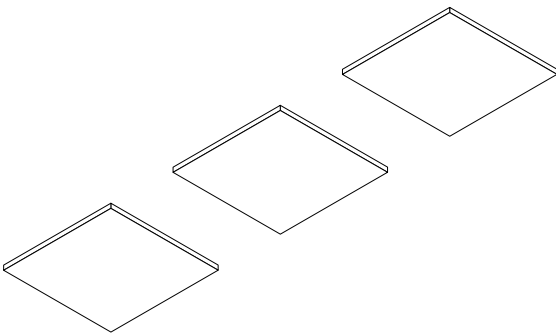
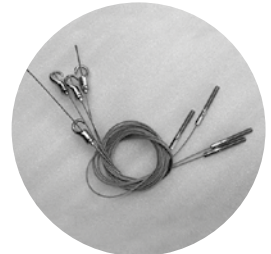
– screwed to the ceiling



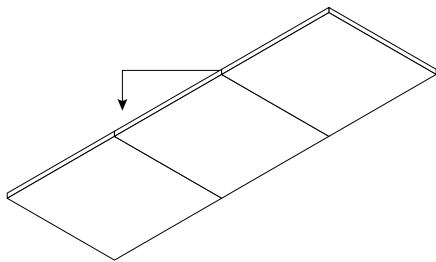
Stereo panels  
 – suspended using 2 horizontal cables



– suspended using 3 or 4  
 vertical cables

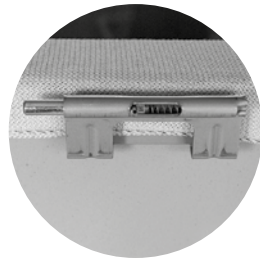
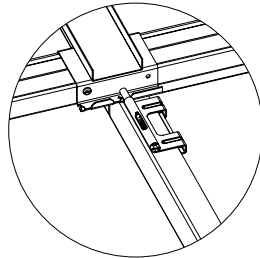
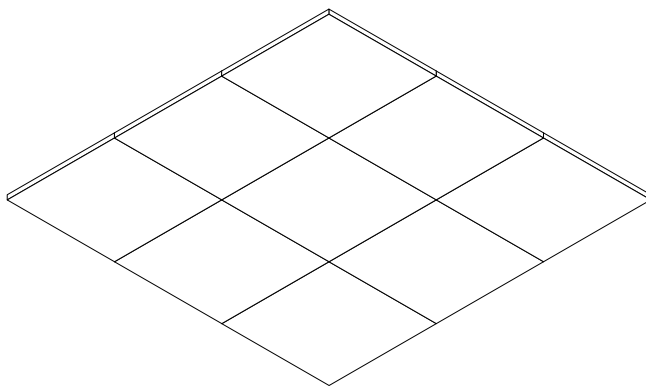


...in a dotted line or in parallel lines



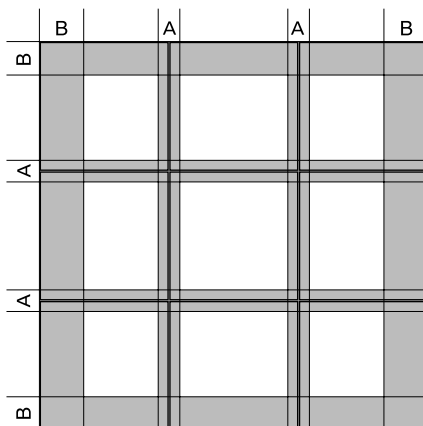
...in a line

When suspended in an unbroken line, **Stereo** panels are fixed together with brackets.



...to form a seamless cloud

(only for panels 596 x 1196 x 50 mm and 1196 x 1196 x 50 mm)



When clustered to form a seamless cloud, **Stereo** panels are suspended from a metal frame. They are fastened using special hinges for ease of removal.

**Integrated light fittings**

The Stereo panels may, as an option, be fitted with a sheet metal tray, cut to order, to accommodate light fittings.  
 – For seamless cloud installations, the frame components prevent light fittings from being fitted in the grey zones indicated.

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	1,196 x 1,196 mm	596 x 1,196 mm
A	150 mm	150 mm
B	270 mm	270 mm