

**Stereo Air  
open mesh panels**

**Texaa®**



**Stereo Air** open mesh panels are covered with the Aeria Grande Maille Ronde fabric. This eye-catching net was especially designed by Texaa by opening out the stitch of its usual fabric to make it more transparent as the observer progressively gets closer to it.

It is an architectural feature that enables designers to play with certain technical parameters: to create a visual filter or to scatter a light source, while allowing sound and air to circulate freely, as well as heat distribution.



PROPORTION OF RECYCLED COMPONENTS



IMPACT ON CLIMATE  
14,2 kg CO<sub>2</sub> eq /m<sup>2</sup>

See updated environmental data on [www.texaa.com](http://www.texaa.com)

Stereo Air open mesh panels suspended from the ceiling in the Kehlen school of music in Luxembourg. Architects: Jim Clèmes Associates, 2019.



The **Stereo Air** panel is made of a rust-proof steel frame, covered with a fabric net of **Aeria Grande Maille**, which hides the ceiling and technical installations above it without blocking them out completely. It scatters a light source positioned above it, allows air from an A/C vent to flow freely and does not hinder the distribution of heat inside the building.

Each panel is suspended on vertically hanging cables, and can be easily connected to others to create attractive **floating islands**.



Stereo Air open mesh panels suspended from the ceiling and connected together in Bordeaux Agro Sciences at the Higher National School of Agronomy in Gradignan, outside Bordeaux in 2019.





Stereo acoustic panels and Stereo Air open mesh panels suspended from the ceiling in the Kehlen School of Music in Luxembourg. Architects: Jim Clemes Associates, 2019.



# Characteristics of Stereo Air panels



Run-resistant



Fire-resistant



10-year guarantee



Water repellent and dust-proof



For more info, see [texaa.com](http://texaa.com)

### COMPOSITION

- Metal frame made of rust-proof steel
- Cover made of sound-transparent Aeria Grande Maille Ronde fabric

### ACOUSTIC PERFORMANCE

Absorption coefficient:  
 $\alpha_w = 0.15$ , NRC = 0.15, class E

### REACTION TO FIRE CLASSIFICATION

- European classification : Complete product: B-s1, d0
- United States – ASTM Class A

### DURABILITY OF THE AERIA FABRIC COVER

- Run-resistant
- 190 g/m<sup>2</sup>
- Protection against soiling:
  - Hydro/Oleophobic  $\geq 5$  (AATCC118 and AATCC193)
  - Electrostatic properties 7.10<sup>10</sup>  $\Omega$  (EN 1149-1)

### CLEANING

Vacuum cleaning

### ENVIRONMENTAL CHARACTERISTICS

- Stereo Air panels meet the requirements specified in the HQE, LEED and BREEAM (4 points) reference documents and methods, based on:
  - their acoustic contribution
  - the provision of certified EPDs (EN 15804)
  - their very low emissions of VOC and formaldehyde
- Impact on climate: 14,2 kg CO<sub>2</sub> eq /m<sup>2</sup> (See French Environmental and Health Product Declarations (FDES) on [texaa.com](http://texaa.com))
- Proportion of recycled components:  $\geq 43\%$
- All Texaa products qualify for French “A+” health labelling and are classed as “conforming” after assessment using the German AgBB protocol

### AVAILABLE OPTIONS

- Access hatch
- Variable dimensions: widths from 300 to 1,200 mm and lengths from 600 to 2,400 mm. Please contact us for larger sizes.

### GUARANTEE

10 years

### VENTILATION

- Air permeability according to ISO 9237: 6,596 l/m<sup>2</sup>/s
- Porosity: 54%

### LIGHT TRANSMISSION

GMR980 (*Granit*) colour:

- 52% for a spotlight located between 50 and 1,600 mm from the panel
- 55% for a light panel located between 50 and 1,600 mm from the panel.

GMR640 (*Nacre*) colour:

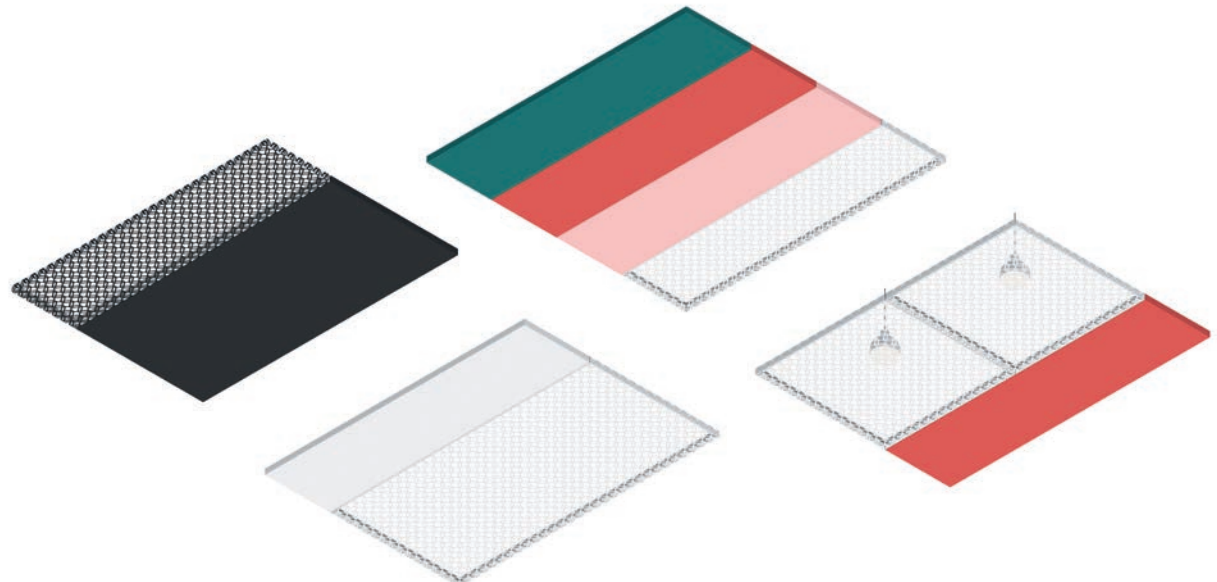
- 52% for a spotlight located between 50 and 1,600 mm from the panel
- 86% for a light panel located 50 mm from the panel and 65% for a light panel located 1,600 mm from the panel.

### FITTING

Each panel is suspended from the ceiling on vertical cables made of galvanised steel (diameter 1 mm, length 1,000 mm), each with a cylindrical cover and an adjustable latch-eye hook. The panels are connected together with linking brackets.

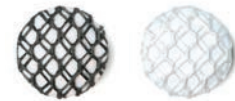
### COMBINATIONS AND FITTING

The panels are suspended independently from the ceiling and can be installed singly or linked together in clusters. Stereo Air open mesh panels can be combined with others like them, as well as with Stereo acoustic panels.

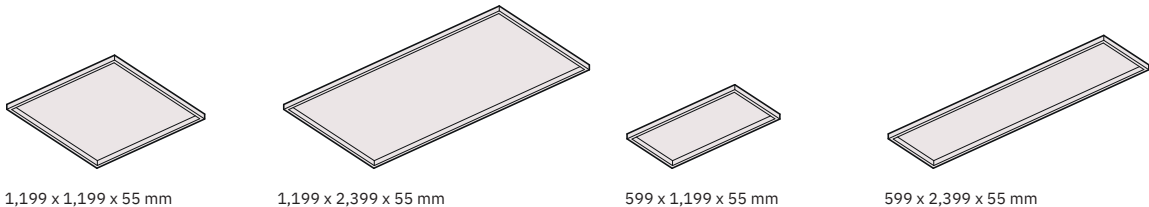


### COLOURS

Select from the 2 colours in the Aeria Grande Maille Ronde (GMR) palette on page 24. Special colours available on request.



### SIZES



1,199 x 1,199 x 55 mm

1,199 x 2,399 x 55 mm

599 x 1,199 x 55 mm

599 x 2,399 x 55 mm

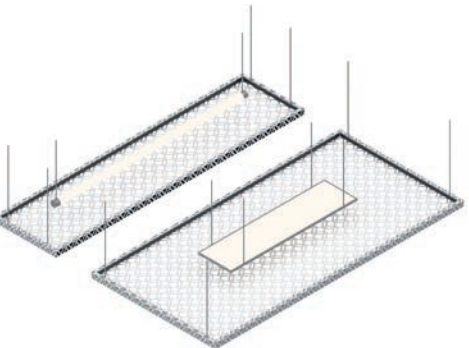
### LIGHTS



**Above**  
 For a spotlight located between 50 and 1,600 mm above the panel, light transmission is 52% for both colours GMR640 (*Nacre*) and GMR980 (*Granit*).



**Through**  
 An electric cable runs through the open mesh to enable the light to function below the panel with no change to its properties.



**Above**  
 For a light panel located between 50 and 1,600 mm above the panel, light transmission:  
 • For the colour GMR640 (*Nacre*) ranges from 65% (when the spotlight is 50 mm above) to 86% (when it is 1,600 mm above)  
 • For the colour GMR980 (*Granit*) is 55%

# Colours

Aeria is knitted in our workshop in Gradignan outside Bordeaux using a patented process. It is available in three stitch sizes and a range of 30 colours. Special colours can be supplied on request.



Order a sample:  
[texaa.com/samples](https://texaa.com/samples)



Gris Nacré  
GMR003



Gris Anthracite  
GMR006



Gris Nacré  
MRE003



Gris Anthracite  
MRE006



Beige Kaolin  
MRE029



Noir Carbone  
MR001



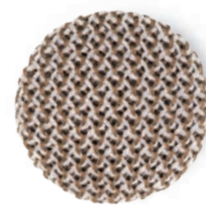
Gris Anthracite  
MR006



Chiné Écorce  
MR019



Beige Pralin  
MR002



Chiné Taupe  
MR023



Gris Cendré  
MR014



Gris Nuage  
MR027



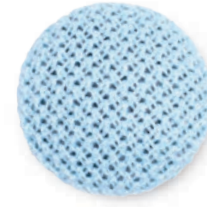
Gris Nacré  
MR003



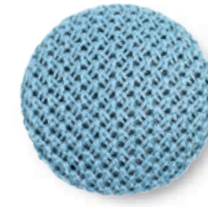
Crème  
MR012



Beige Kaolin  
MR029



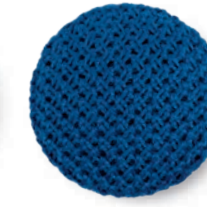
Bleu Opale  
MR007



Bleu Arctique  
MR021



Bleu Torrent  
MR009



Bleu Royal  
MR015



Bleu Pétrole  
MR018



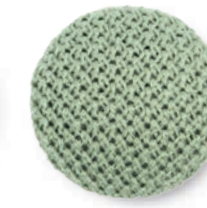
Vert Kaki  
MR011



Vert Mousse  
MR028



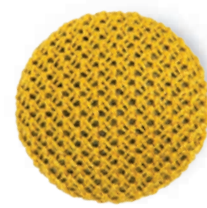
Pistache  
MR008



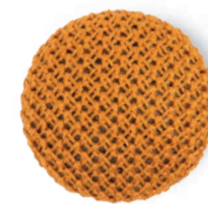
Sauge  
MR025



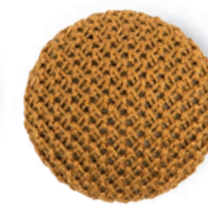
Amande  
MR017



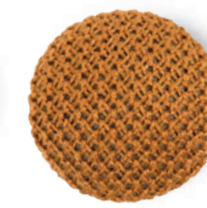
Jaune Impérial  
MR016



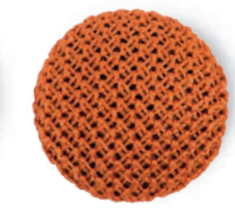
Ocre  
MR004



Cannelle  
MR022



Ambre  
MR010



Terracotta  
MR024



Vermillon  
MR020



Rubis  
MR013



Rouge Piment  
MR030



Noisette  
MR026



Châtaigne  
MR005

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Texaa has been officially recognised in France as a 'Living Heritage Company', a distinction that highlights the excellence of French craftsmanship and industrial processes.

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