

Specification and data sheets

Aeria fabric

The Aeria fabric

Aeria is a Texaa hallmark: it is the fabric that covers all its products. It is knitted using a patented process and is sound-transparent, run-resistant and extremely fireresistant. It is available in two knit sizes, *Maille Ronde* (MR) & *Grande Maille Ronde* (GMR). It covers and protects technical devices, mainly acoustic, that are positioned within volumes to satisfy architectural specifications.

Technical characteristics

Colours 30 MR colours Physical characteristics Weight 330 ± 10 g/m ² Thickness 1.25 ± 0.15 mm Width of roll net/gross 1,500/1.50 mm Length of roll no more than 15 metres Formability (length and width) Aeria*5 special texture makes it elastic and enables it to fit shapes with pronounced edges. Light reflectance - MR 640 (Nacre) colour 81% Formability (length and width) Aeria*5 special texture makes it elastic and enables it to fit shapes with pronounced edges. Light reflectance - MR 640 (Nacre) colour 81% Formability (length and width) Aeria*5 special texture makes it elastic and enables it to fit shapes with pronounced edges. Light reflectance - MR 640 (Nacre) colour 81% Formability to air (ISO 9237) 2,096 //m?/S Acoustic properties Aeria Maille Ronde Aeria is sound-transparent. Contact us for further information and documentation. Durability Technical characteristics Resistance to abrasion (NF EN 12947-2, no. of rubbing cycles) > 30,000 Fraying None Dimensional variation in normal conditions of temperature are lastic properties (EN 1149-1) 7,10° O. Hydro/Olephobic AATCC193 (scale from 1 to 8) 2-5 Electrostatic properties (EN 1149-1) 7,10° O. Hydro/Olephobic AATCC118 and AATCC193 (scale from 1 to 8) 2-5 Conditions of normal exposure Relative humidity between 30% and 75% and temperature between 10 & 30°C (50 & 86°F). Health and safety Reacton to fire classification Europe B-1, 40 All the fabrics in our Malle Ronde codour catalogue are ake available in M/O certification Europe B-1, 40 All the fabrics in our Malle Ronde codour catalogue are ake available in M/O certified by AFNOR VOC and formaledybyde emission (SO 16000) French Health abelling 8. According with German protocol AgBB A-4 acompliant Contribution to LEED/BREEAM certification Europe A-1, 4 points Acoustics Particular charace 2, 47 kg Co, eq per m ² Cleaning Werdow Amore Contract to fore werdow one to five years, depending on	Definition	Aeria MR
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Cleaning vacuum clean every one to five years, depending on	Contribution to LEED/BREEAM certification – Environmental declarations – Air emissions – Acoustics	4 points
Method vacuum clean every one to five years, depending on	Impact on climate change	2.47 kg CO ₂ eq per m ²
	Cleaning	
	Method	vacuum clean every one to five years, depending on conditions of use** , machine-washable at 30°C, dry flat

*Texaa®'s internationally patented Aeria sound-transparent fabric / ** refer to the cleaning and maintenance sheets

Technical characteristics

Definition	Aeria GMR
Composition	Synthetic yarns with fluid repellent coating
Colours	2 GMR colours
Physical characteristics	
Weight	190 +/- 10 g/m²
Thickness	1.25 +/- 0.15 mm
Width of roll	net/gross: 1,500/1,550 mm
Length of roll	no more than 15 metres
Formability (length and width)	Aeria*'s special texture makes it elastic and enables it to fit shapes with pronounced edges.
Light reflectance - MR 640 (Nacre) colour	81%
Permeability to air (ISO 9237)	6,596 l/m²/s
Acoustic properties	
Aeria Grande Maille Ronde	Aeria is sound-transparent. Contact us for further information and documentation.
Durability	
Technical characteristics	
Resistance to abrasion (NF EN 12947-2, no. of rubbing cycles)	> 20,000
Fraying	None
Dimensional variation in normal conditions of temperature and relative humidity	< 1.0%
Colour fastness - ISO 105-B02 (scale from 1 to 8)	≥ 5
Electrostatic properties (EN 1149-1)	7.10 ¹⁰ Ω
Hydro/Oleophobic AATCC118 and AATCC193 (scale from 1 to 8)	≥ 5
Conditions of normal exposure	Relative humidity between 30% and 75% and temperature between 10 & 30°C (50 & 86°F)
Conditions of exceptional exposure	Relative humidity between 20% and 90% and temperature between 10 & 30°C (50 & 86°F)
Health and safety	
Reaction to fire classification	
Europe	B-s1, d0
Development of micro-organisms	The materials used reduce the proliferation of house dust mites and micro-organisms
Environmental characteristics	
HQE® High Quality Environmental standard (EN 15804)	-
VOC and formaldehyde emissions (ISO 16000) French health labelling & in accordance with German protocol AgBB	A+ & compliant
Contribution to LEED/BREEAM certification – Air emissions – Acoustic contribution	2 points
Impact on climate change	-
Cleaning	
Method	vacuum clean every one to five years, depending on conditions of use** — Removeable

*Texaa®'s internationally patented Aeria sound-transparent fabric / ** refer to the cleaning and maintenance sheets

Texaa® is a privately owned company with a staff of fiftyfive. Informed by continuous contact with designers and professionals in the building industry, we conceive, 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 and beyond.

* our sound-transparent textile with an exclusive Texaa® patent

Updates at www.texaa.co.uk

Texaa® textile, acoustics, architecture Becket House 1 Lambeth Palace Road London SE1 7EU ---+44 (0) 20 7092 3435 contact@texaa.co.uk www.texaa.co.uk

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