Texaa®

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 fire-resistant. 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

Definition	**Aeria MR**
Composition	Synthetic yarns with fluid repellent coating
Colours	30 MR colours
Physical characteristics	
Weight	330 ± 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)	2,096 l/m²/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 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
IMO certification	All the fabrics in our Maille Ronde colour catalogue are also available in IMO-certified versions. Contact us to request the special IMO data sheet.
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)	EPDs certified by AFNOR
VOC and formaldehyde emissions (ISO 16000) French health labelling & in accordance with German protocol AgBB	A+ & compliant
Contribution to LEED/BREEAM certification – Environmental declarations – Air emissions – Acoustics	4 points
Impact on climate change	2.47 kg CO_2 eq per m²
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 fifty-five. 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

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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