

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 |
| Colours | 30 colours |
| Physical characteristics | |
| Weight | 330 ± 10 g/m ² |
| Thickness | 1.25 ± 0.15 mm |
| Width of roll | net/gross: 1,500/1,550 mm |
| Length of roll | 15 metres max. |
| Formability (length and width) | Aeria's special texture makes it elastic and enables it to fit shapes with pronounced edges. |
| Light reflectance - MR003 (<i>Gris Nacré</i>) colour | 81% |
| Permeability to air (ISO 9237) | 2,096 l/m ² /s |
| Acoustic properties | |
| Aeria <i>Maille Ronde</i> | 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 |
| Antistatic properties (ASTM D257) | 3.10 ⁷ Ω/m ² |
| 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 NF EN 13501-1 | B-s1, d0 |
| IMO certification | All the fabrics in our <i>Maille Ronde</i> 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 | |
| VOC and formaldehyde emissions (ISO 16000) French health labelling & in accordance with German protocol AgBB / Indoor Air Comfort label | A+ / Compliant / Gold |
| Contribution to environmental labels | LEED: 8 to 14 points BREEAM: 12.5 credits DGNB: 28.2 to 30.8% HQE: 7 targets WELL: 14 credits |
| Impact on climate change (EN 15804) Product Declarations (EPD) on texaa.com | 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

| Definition | Aeria* GMR |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Composition | Synthetic yarns |
| Colours | 2 colours |
| Physical characteristics | |
| Weight | 190 +/- 10 g/m ² |
| Thickness | 1.25 +/- 0.15 mm |
| Width of roll | net/gross: 1,500/1,550 mm |
| Length of roll | 15 metres max. |
| Formability (length and width) | Aeria's special texture makes it elastic and enables it to fit shapes with pronounced edges. |
| Light reflectance - MR003 (<i>Gris Nacré</i>) colour | 81% |
| Permeability to air (ISO 9237) | 6,596 l/m ² /s |
| Acoustic properties | |
| Aeria <i>Grande Maille Ronde</i> | 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 |
| Antistatic properties (ASTM D257) | 1.10 ¹² Ω/m ² |
| 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 NF EN 13501-1 | B-s1, d0 |
| Development of micro-organisms | The materials used reduce the proliferation of house dust mites and micro-organisms |
| Environmental characteristics | |
| VOC and formaldehyde emissions (ISO 16000) | |
| French health labelling & in accordance with German protocol AgBB / Indoor Air Comfort label | A+ / Compliant / Gold |
| Contribution to environmental labels | |
| | LEED: 8 to 14 points BREEAM: 12.5 credits DGNB: 28.2 to 30.8% HQE: 7 targets WELL: 14 credits |
| 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 50 employees. Informed by continuous contact with architects and professionals in the building industry, we design, 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, USA and beyond.

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

Updates at www.texaa.com

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