

Texaa®

Specification and data sheets

Acoustic blinds

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Production time

3 weeks for blinds with no rail

4 weeks for blinds with a rail

Professionals to be consulted for fitting

Blinds fitters

Acoustic blinds

Texaa acoustic blinds comprise a 3-mm layer of black felt, protected on both sides by our Aeria sound-absorbent fabric. This unique product is an effective barrier for light, heat and sound.

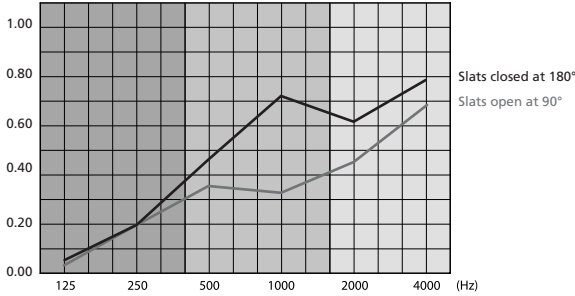
A hanger plate is concealed in a hem at the top of each slat without any weights. The new format of this hanger plate, an exclusive Texaa patent, locates it as close as possible to the hanging rail to cut out as much light as possible.

Hung in front of a glazed surface, Texaa acoustic blinds absorb resonance, filter light and improve people's comfort. Placed inside a volume, blinds partition spaces without closing them off, on public or private premises.

Acoustic performance

α_{Sabine}

For slatted blinds hanging 100 mm from the vertical surface



	α_w	Class	NRC	Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Blinds										
Slats open at 90°	0.40 (H)	D	0.30	α_{Sabine}	0.04	0.20	0.34	0.32	0.44	0.69
Slats closed at 180°	0.45 (MH)	D	0.50	α_{Sabine}	0.05	0.20	0.46	0.71	0.61	0.78

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

Specification

The acoustic blind slats comprise:

- Aeria run-resistant antistatic and dirt-repellent Aeria fabric on both sides
- A 3-mm thick layer of black felt
- A black powder-coated hanger plate inserted in a hem

Characteristics of the slats

Width: 133 mm

Thickness: 5 mm

Length: up to 3 m (increase in length 72 hours after hanging: $\leq 0.5\%$)

Weight of each slat: 0.17 kg / m of length

Durability of the fabric cover

Performance of **Aeria 330 g/m² run-resistant fabric**

Protection against soiling:

Hydro/oleo-phobic ≥ 5 (AATCC118 and AATCC193)

Electrostatic properties $7.10^{10} \Omega$ (EN 1149-1)

Acoustic performance

Sound absorption coefficient

Slats open at 90°: $\alpha_w = 0.40$ (H)

Slats closed at 180°: $\alpha_w = 0.45$ (MH)

Heat and light barrier

95% reduction in light levels

Transmission of the visible spectrum (wavelengths from 380-800 nm)

Absorption $> 95\%$ / Reflection 3% / Transmission $< 2\%$

24% thermal reflection

Transmission of the solar radiation spectrum (wavelengths from 280-2.500 nm)

Absorption $> 74\%$ / Reflection 24% / Transmission $< 2\%$

European reaction to fire classification

Complete product: **C-s2, d0**

Environmental characteristics

- The sound-absorbing felt wadding is made from 90% recycled materials
- **VOC and formaldehyde emissions** (ISO 16000)
- The blinds qualify for French "A+" health labelling and are classed as "conforming" after assessment using the German AgBB protocol
- **LEED / BREEAM**: 2 points for
 - **Very low VOC** (Volatile Organic Compounds) **and formaldehyde emissions.**
 - Acoustic contribution

Cleaning

Vacuum cleaning, may be removed and refitted

Guarantee

10 years

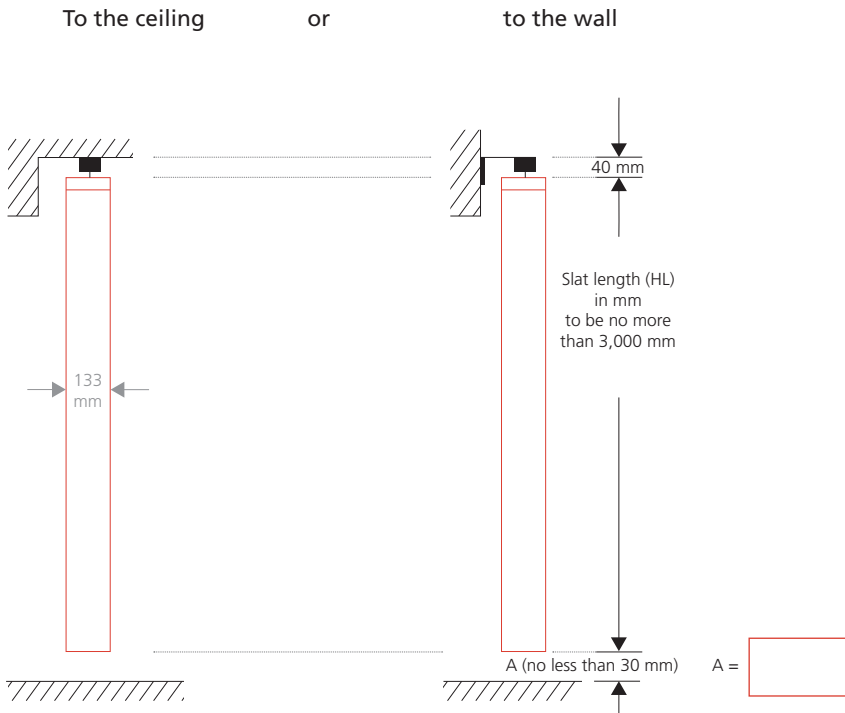
Colours

Select from the 30 colours in the palette. Special colours available on request.

Fitting methods

Texaa acoustic blinds use traditional blind mechanisms.

Fitting Texaa acoustic blinds



Optional rail

Characteristics of the optional rail

Powder-coated white rail, 40x25mm in section with a slat rotating mechanism and cord-driven opening and closing

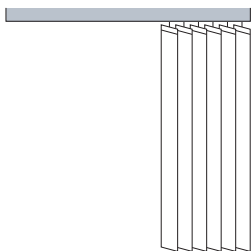
Length of the rail: ≤ 3 m

Weight of the rail: 0.8 kg / ml

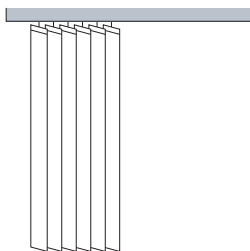
Maximum load: 16 kg equivalent to a 12-m² blind

Guarantee: 2 years

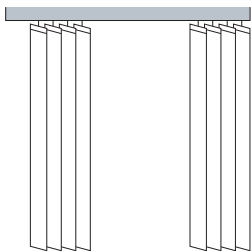
Opening: the slats can be gathered



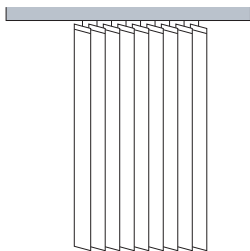
To the right



To the left



On both sides



In the middle

Aeria - cleaning guidelines

To protect the fresh colour of your **Aeria** fabric, we advise you to clean it regularly by:

- removing dust with a soft brush and vacuum cleaner
- using an absorbent cloth to soak up spilt liquids
- cleaning marks or stains quickly, before they have time to dry and become harder to remove

Aeria is treated with a water-repellent product, so any stains can usually be removed by gently dabbing. Never rub the fabric.

If a stain proves harder to remove, please follow the instructions below:

For water-based liquids (tea, coffee, soft drinks, wine, etc.)

If the stain has penetrated the fabric, use a vacuum cleaner to remove any dust from the soiled area. Then, rehydrate the stain by dabbing the marked area with one hand using a cloth dampened with clean water, and dry the area with the other hand using a dry, clean absorbent cloth. If the stain persists, repeat the process using water and a little soap.

For oil-based liquids

Dab the stain with a clean cloth dampened with undiluted solvent-based cleaning fluid. Remember to fold the cloth frequently, so that the stain is always in contact with a clean part of the cloth's surface.

For semi-solid stains, such as butter, ketchup, etc

Remove any remaining solid material with a spatula and proceed with the cleaning method detailed above for oil-based liquids.

For dye-based stains (marker pen, biro, ink, etc.)

Dab the stain with a clean cloth dampened with a solvent such as methanol. Remember to fold the cloth frequently, so that the stain is always in contact with a clean part of the cloth's surface.

In order to avoid the formation of rings, clean stains and marks from the outside towards the middle, and then use a hair-dryer to speed up the drying process.

Technical characteristics

Definition	Blinds
Fitting	hanging
Components	black felt / 3 mm
Colours	Aeria* round knit / 30 colours
Physical properties	
Weight	slat: 0.17 kg / metre length maximum 16 kg (12 m ²)
Total thickness	5 mm ±1 mm
Width (slat)	133 mm ±2 mm
Length	height ≤ 3 m (± 0.5% après 72 h)
Light reflectance (for Nacre (Pearly white) colour MR 640)	81 %
Durability	
Mechanical characteristics	
Abrasion resistance (EN 12947-2, number of rubs)	> 30 000
Fraying	none
Variations in dimensions (under 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 AATCC 118 and AATCC 193 (scale from 1 to 8)	≥ 5
Conditions of normal exposure	relative humidity between 30% and 75% and temperature between 10°C and 30°C
Conditions of exceptional exposure	relative humidity between 20% and 90% and temperature between 10°C and 30°C
Health and safety	
Reaction to fire classification	
Europe - complete product	C-s2, 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 (standart 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
Cleaning	
Method	vacuum clean every one to five years, depending on conditions of use** removable

* 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, the US and beyond.

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

Updates at www.texaa.co.uk

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