

Texaa[®]

Specification and data sheets

Kora

Acoustic screens

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Production time

3 weeks

Kora acoustic screens

In shared spaces, Kora acoustic screens can be used to organise what is visible and what is not, and to control the acoustics around people so as to improve their individual comfort.

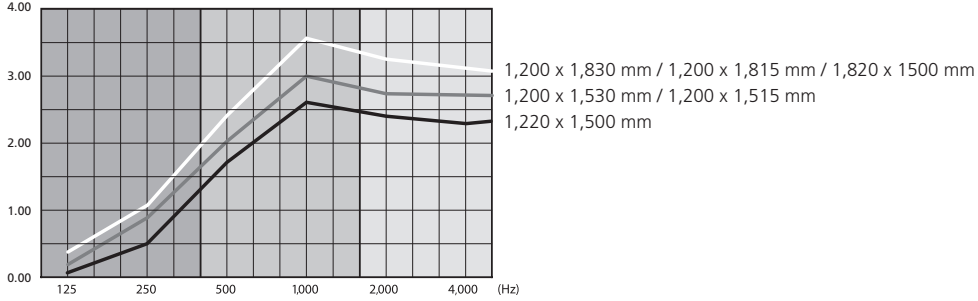
As well as reducing reverberation, Kora screens with their 5-mm-thick MDF cores also effectively dampen sound transmission.

Their simple shape and robustness, the wide range of feet available and the 30 colours in the Aeria palette give designers a multitude of combinations to play with.

Acoustic performance

Performance of a free-standing Kora acoustic screen

A = equivalent absorption area in m²
Spacing of 2,000 mm

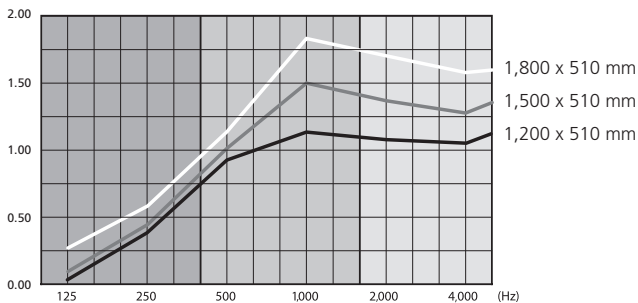


Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m ²) Spacing: 2,000 mm						
Free-standing screen 1,200 x 1,830 mm / 1,200 x 1,815 mm / 1,820 x 1,500 mm	0.34	1.12	2.44	3.57	3.27	3.12
Free-standing screen 1,200 x 1,530 mm / 1,200 x 1,515 mm	0.21	0.89	2.02	3.00	2.74	2.73
Free-standing screen 1,220 x 1,500 mm	0.05	0.51	1.73	2.62	2.43	2.30

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

Performance of a Kora acoustic screen placed on tables

A = equivalent absorption area in m²
Spacing of 2,000 mm



Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m ²) Spacing: 2,000 mm						
Screen placed on tables 1,800 x 510 mm	0.26	0.59	1.14	1.80	1.70	1.61
Screen placed on tables 1,500 x 510 mm	0.10	0.47	1.02	1.49	1.35	1.27
Screen placed on tables 1,200 x 510 mm	0.07	0.41	0.83	1.16	1.10	1.07

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

Specification

absorption is provided by **Texaa® Kora** acoustic screens comprising:

- A metal frame made of rust-proof Aluzinc® steel
- A 5-mm-thick MDF core (730 kg/m³)
- Grey AP cellular foam either side of the core
- A grey or black microporous cloth cladding
- A removable washable cover made Acoustic of sound-transparent **Aeria Maille Ronde fabric (330g/m²)** that is run-resistant, antistatic and soil-proof, which covers all sides and is fitted with a zip fastener.

Durability of the fabric cover

Performance of Aeria 330 g/m² run-resistant fabric

Protection against soiling:

Hydro/oleophobic ≥ 5 (AATCC118 and AATCC193)

Electrostatic properties 7.10¹⁰Ω (EN 1149-1)

Acoustic performance

For a Kora acoustic screen with dimensions of 1,220 x 1,500 x 450 mm (panel measuring 1,199 mm x 1,199 mm x 55 mm):

A = equivalent absorption area in m² at mid-range frequencies: 2.18 m²

European reaction to fire classification

B-s1, d0 for the Aeria fabric cover

C-s2, d0 for the sound absorber

Environmental characteristics

– VOC and formaldehyde emissions (ISO 16000)

The screens 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

– Proportion of recycled components: ≥ 20%

– Bio-sourced materials: ≥ 40%

Cleaning

Vacuum cleaning, may be removed and refitted, removable cover is machine washable

Garantee

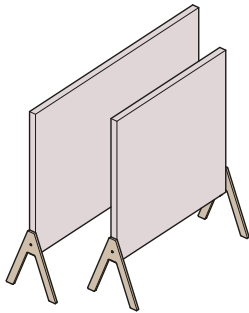
10 years

Coulours

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

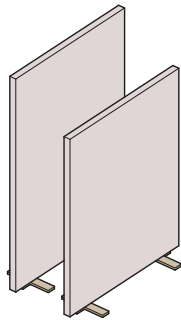
Sizes

Free-standing



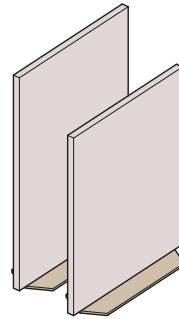
With wooden Y-frame feet

1,220 x 1,500 x 450 mm
1,820 x 1,500 x 450 mm
(Clearance below
bottom edge: 300 mm)



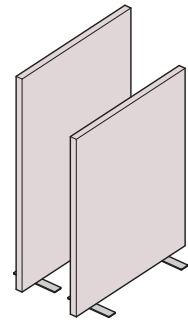
With flat wooden feet

1,200 x 1,520 x 380 mm
1,200 x 1,820 x 380 mm



With wooden base

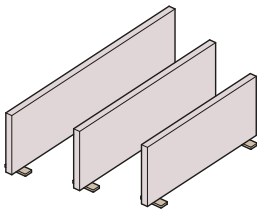
1,200 x 1,530 x 360 mm
1,200 x 1,830 x 360 mm
(Optional casters raise
base by 50 mm)



With steel feet

1,200 x 1,515 x 380 mm
1,200 x 1,815 x 380 mm

Placed on tables



With wooden or metal feet

1,200 x 510 x 190 mm
1,500 x 510 x 190 mm
1,800 x 510 x 190 mm

Dimensions / weight / acoustic performance [to be determined]

Overall dimensions in mm length x height x width	Weight (kg)	A = equivalent absorption area in m ² at mid-range frequencies
□ 1,220 x 1,500 x 450 (wooden feet - Y-frame)	15.4	2.18
□ 1,820 x 1,500 x 450 (wooden feet - Y-frame)	18.4	2.94
□ 1,200 x 1,520 x 380 mm (wooden feet - flat)	17.3	-
□ 1,200 x 1,820 x 380 mm (wooden feet - flat)	20.3	-
□ 1,200 x 1,530 x 360 (wooden base)	20	2.45
□ 1,200 x 1,830 x 360 (wooden base)	23	2.94
□ 1,200 x 1,515 x 380 (metal feet)	19.58	2.45
□ 1,200 x 1,815 x 380 (metal feet)	22.58	2.94
□ 1,200 x 510 x 190	wooden feet 7.1 / metal feet 8.3	0.98
□ 1,500 x 510 x 190	wooden feet 8.5 / metal feet 9.7	1.22
□ 1,800 x 510 x 190	wooden feet 9.5 / metal feet 10.7	1.43

Feet finishes

**Wooden Y-frame feet
for floor installation**



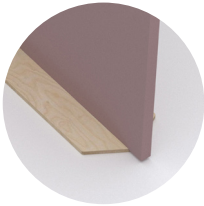
Locally sourced pine

**Flat wooden feet
for floor installation**



Locally sourced pine

**Wooden bases
for floor installation**



Locally sourced pine



Locally sourced pine
with optional casters

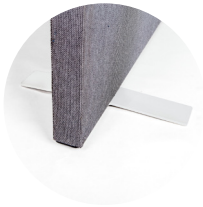
**Steel feet
for floor installation**



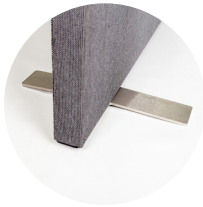
Black powder
coated



Grey powder
coated



White powder
coated



Brushed
stainless

**Wooden feet
for installation
on tables**

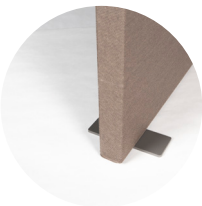


Locally sourced pine

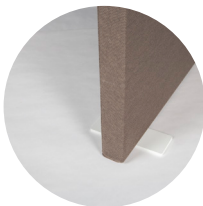
**Steel feet
for installation
on tables**



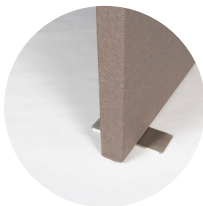
Black powder
coated



Grey powder
coated



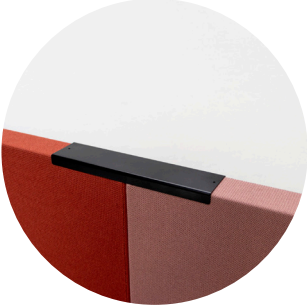
White powder
coated



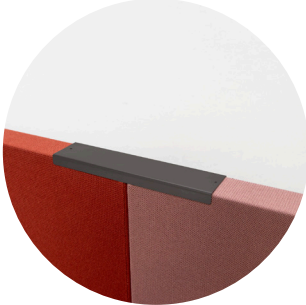
Brushed
stainless

Options

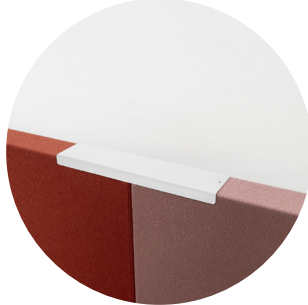
Alignment plate



Black powder coated



Grey powder coated



White powder coated

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 gentle 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.

Caractéristiques techniques

Definition	Kora acoustic screens
Fitting	Free-standing or placed on tables
Composants	Aeria* / Grey AP cellular foam / MDF core / Grey or black microporous cloth cladding / Aluzinc® steel frame
Colours	30 colours
Physical properties	
Light reflectance for colour MR 640 (Nacre)	81%
Durability	
Mechanical characteristics	
Abrasion resistance (NF EN 12947-2, number of rubs)	> 30,000
Fraying	None
Variations in dimensions (under normal conditions of temperature and relative humidity)	None
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)
Stability of screens on the floor	In line with requirements of standard EN1023-3: 200
Health and safety	
Reaction to fire classification	
European classification	B-s1, d0 for the Aeria fabric cover C-s2, d0 for the sound absorber
Environmental characteristics	
Development of micro-organisms	The materials used reduce the proliferation of house dust mites and micro-organisms
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
Proportion of recycled components	≥ 20%
Bio-sourced materials	≥ 40%
Cleaning	
Method	vacuum clean every one to five years, depending on conditions of use** cover is removable and machine-washable at 30°C, dry flat

*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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