Texaa®

Specification and data sheets

Kora

Acoustic screens

FABRIC KNITTED IN FRANCE

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Production lead 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.

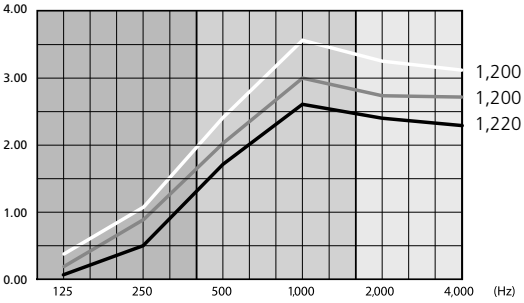
As well as reducing reverberation, Kora screens with their 5-mm-thick MDF cores also effectively dampen sound transmission.

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

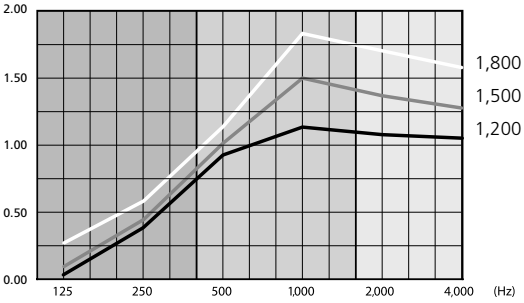


Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Equivalent absorption area A (m²) Spacing: 2,000 mm						
Free-standing screen 1,200 x ,1830 mm / 1,200 x 1,815 mm / 1,820 x 1,500 mm	0.34	1.12	2.44	3.57	3.27	3.12
Free-standing screen 1,200 x 1,530 mm / 1,200 x 1,515 mm	0.21	0.89	2.02	3.00	2.74	2.73
Free-standing 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 a table

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 (m²) 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

Sound absorption is provided by Texaa® Kora acoustic screens comprising:
– a rust-proof steel metal frame
– 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 of sound-transparent Aeria Maille Ronde fabric (330g/m²) that is run-resistant, antistatic and fitted with a zip fastener to cover all sides.

Durability of the fabric cover
Performance of Aeria 330 g/m² run-resistant fabric

Protection against soiling
Antistatic properties 3.10^7 Ω/m² (ASTM D257)

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
– Proportion of recycled components: ≥ 20%
– Bio-sourced materials: ≥ 40%
– Contribution to environmental labels:
  LEED: 7 to 9 points
  BREEAM: 8 credits
  DGNB: 18.6 to 20.4%
  HQE: 6 targets
  WELL: 14 credits

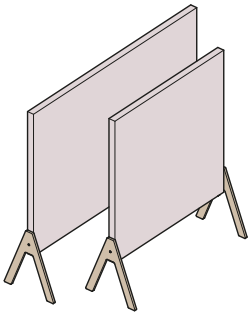
Cleaning
Vacuum cleaning, may be removed and refitted,
removable cover is machine washable

Garantee 10 years

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

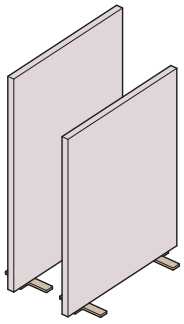
Sizes

Free-standing



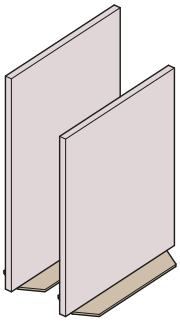
With wooden Y-frame feet

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



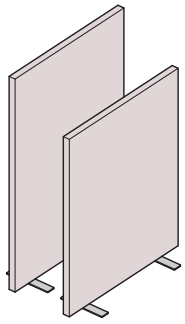
With flat wooden feet

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



With wooden base

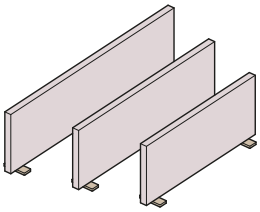
1,200 x 1,530 x 360 mm
1,200 x 1,830 x 360 mm
(Optional casters raise
base by 50 mm)



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 m² 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

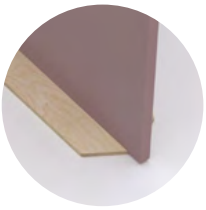
Wooden Y-frame feet for floor installation

Locally sourced pine

Flat wooden feet for floor installation

Locally sourced pine

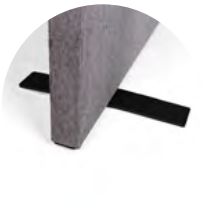
Wooden bases for floor installation



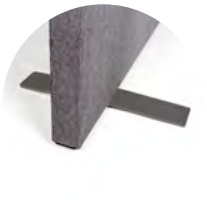
Locally sourced pine

Locally sourced pine with optional casters

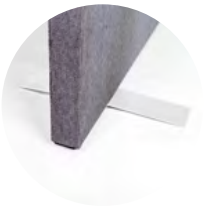
Steel feet for floor installation



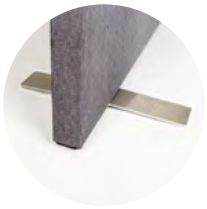
Black powder coated



Grey powder coated

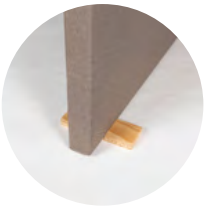


White powder coated



Brushed stainless

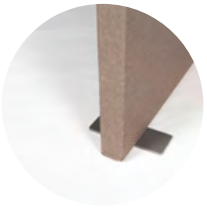
Wooden feet for installation on tables



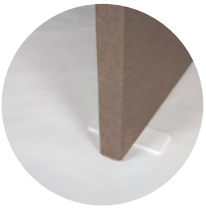
Locally sourced pine

Steel feet for installation on tables

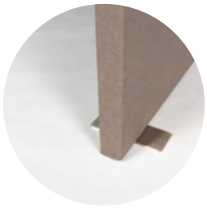
Black powder coated



Grey powder coated



White powder coated

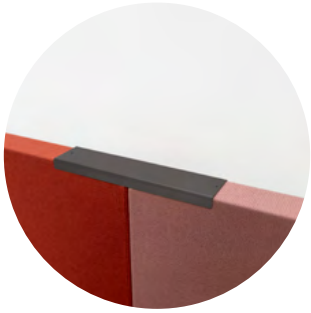


Brushed stainless

Options

Alignment plate

Black powder coated



Grey powder coated

White powder coated

Caractéristiques techniques

Definition	Kora acoustic screens
Fitting	Free-standing
Composants	**Aeria*** / Grey AP cellular foam / MDF core / Grey or black microporous cloth cladding / Rust-proof steel metal frame
Colours	30 colours
Physical properties	
Light reflectance colour *Gris nacre* MR003	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
Antistatic properties (ASTM D257)	3.10^7 Ω/m²
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 (NF EN 1023-3)	In line with requirements of standard
Health and safety	
Reaction to fire classification	
Europe NF EN 13501-1	B-s1, d0 for the Aeria fabric cover C-s2, d0 for the sound absorber
Development of micro-organisms	The materials used reduce the proliferation of house dust mites and micro-organisms
Environmental characteristics	
Contribution to environmental labels	LEED: 7 to 9 points BREEAM: 8 credits DGNB: 18.6 to 20.4% HQE: 6 targets WELL: 14 credits
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 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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