

Texaa®

Specification and data sheets

Velio Acoustic curtain



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Production lead time

4 weeks

Professionals to be consulted for fitting

Upholsterers and joiner /fitters

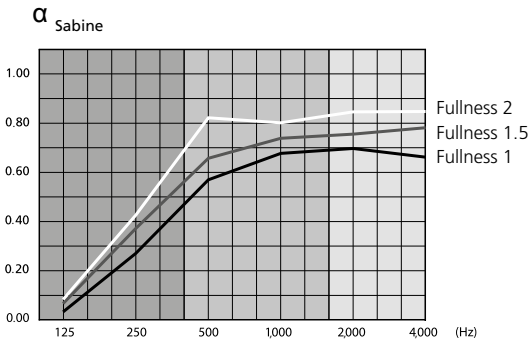
Velio acoustic curtain

Whether folded or unfolded, Velio acoustic curtains can be adjusted at any time to suit your needs, helping to create visual modularity and acoustic and thermal comfort in any space.

Their specific features make them suitable for a wide range of architectural situations.

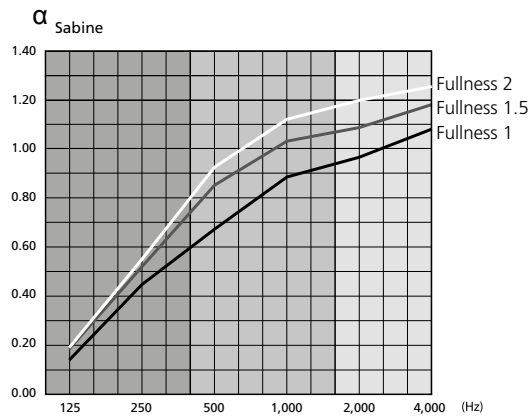
Acoustic performance

For a curtain hanging 100mm from the wall



	α_w	Class	NRC	Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Velio acoustic curtain										
Fullness 1	0.6	C	0.55	α_{Sabine}	0.04	0.27	0.57	0.67	0.70	0.66
Fullness 1.5	0.7	C	0.65	α_{Sabine}	0.07	0.37	0.66	0.74	0.76	0.79
Fullness 2	0.75	C	0.7	α_{Sabine}	0.08	0.43	0.82	0.80	0.84	0.84

For a curtain hanging in the middle of the room as a divider



	α_w	Class	NRC	Frequencies (Hz)	125	250	500	1,000	2,000	4,000
Velio acoustic curtain										
Fullness 1	0.7 (H)	C	0.75	α_{Sabine}	0.15	0.45	0.67	0.89	0.96	1.08
Fullness 1.5	0.8 (H)	B	0.85	α_{Sabine}	0.19	0.52	0.85	1.04	1.09	1.17
Fullness 2	0.85 (H)	B	0.95	α_{Sabine}	0.19	0.54	0.93	1.12	1.20	1.26

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

Acoustic reduction index

R_w (C, Ctr) = 9 (-1; -1) dB

Standard NF EN ISO 717-1

Specification

Sound absorption is provided by Texaa's Velio acoustic curtains.

Highly flame-resistant, they are composed of two sides of run-resistant, anti-static Aeria fabric and two layers of 0.4 mm gray or black non-woven fabric. The curtain panels, finished with a hem at the bottom, are connected to each other by zippers integrated into their side finishes and matching the chosen color.

Acoustic performance

- Sound absorption coefficient $\alpha_w = 0.70$ for a Velio acoustic curtain hanging 100 mm from the bottom, with a fullness of 1.5 (ruffled curtain)
- Sound absorption coefficient $\alpha_w = 0.75$ for a Velio acoustic curtain hanging 100 mm from the bottom, with a fullness of 2 (ruffled curtain)
- Sound reduction index: $R_w = 9$ dB

Characteristics

- Weight: 0.91kg/m² (curtain flat)
- Max. height: 4m (above that, please consult us)
- Stretching prior to stabilisation: approx. 1%

Durability of the fabric cover

Performance of run-resistant 330g/m² Aeria

Protection against soiling

Antistatic properties 3.10⁷ Ω /m² (ASTM D257)

European reaction to fire classification

B-s1,d0

Environmental characteristics

- Indoor air quality (ISO 16000): A+, AgBB compliant, Indoor Air Comfort Gold
- Contribution to environmental labels:
 - LEED: 9 to 16 points
 - BREEAM: 11.5 credits
 - DGNB: 32 to 36.4%
 - HQE: 7 targets
 - WELL: 15 credits
- Impact on climate change: 8.9 kg CO₂ eq /m² (EPD available on our website)
- Recycled component content: 17%

Cleaning

Vacuum cleaning, may be removed and refitted

Guarantee 10 years

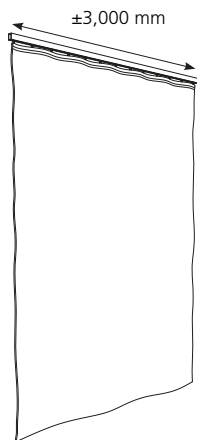
Colours

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

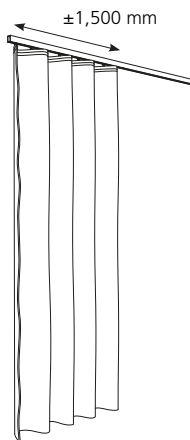
Available options

Curtain rail (2-year guarantee)
Two-tone curtain

Sizes



Curtain width 3,000 mm - Fullness 1

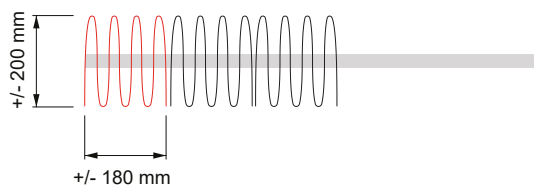


Curtain width 3,000 mm - Fullness 2

The fullness expresses the pleating effect of a curtain. The greater the fullness, the more the curtain pleats; a fullness of 1 corresponds to a curtain without pleats. For example, a curtain 3m wide with a fullness of 2 will cover an area of approximately 1.5 m. The fullness of the curtain determines the level of sound absorption.



Our curtains are made up of panels connected by a zipper. These panels measure 1.5m when laid flat.



A single panel will not stay strictly within an 18cm space. It will naturally tend to stretch and take up more space if it is not held in place by a restraint system, such as a tie-back.

Fitting methods

☐ **Hanging rail, custom-made lengths available**

The rail is equipped with sliders, selected to accommodate the weight of the curtains. These sliders make it very easy to open and close the curtains by hand.

- ☐ ____ x Texaa® acoustic curtains, height ____ [specify],
width with no pleating 1,500 mm, fitted with Rufflette tape and hooks
- ☐ ____ x rail(s) equipped with sliders, brackets every 600 mm, length ____ mm

☐ **Curtain pole (not supplied)**

- ☐ ____ x Texaa® acoustic curtains, height ____ [specify],
width with no pleating 1,500 mm, fitted with Ø 40 mm eyelets

Technical characteristics

Definition	Velio acoustic curtains
Fitting	hanging
Components	Aeria* round knit / non-woven grey or black / 2 x 1.6 mm
Colours	30 colours
Physical properties	
– Weight	0.91 kg/m ² (flat curtain)
– Total thickness / overall size	-
– Width	1,500 mm +10 / -10
– Length	maximum height: 4 m (Consult us for greater heights)
– Formability (length or width)	-
– Solar factor (EN 14500)	0.26 to 0.56 depending on glazing and color
– Light reflectance (colour Gris Nacré MR003)	81 %
Durability	
Mechanical properties	
– 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
– Antistatic properties (ASTM D257)	3.10 ⁷ Ω/m ²
– 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 NF EN 13501-1	Complete product 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+ / Conforme / Gold
Contribution to environmental labels	LEED: 9 to 16 points BREEAM: 11.5 credits DGNB: 32 to 36.4% HQE: 7 targets WELL: 15 credits
Impact on climate change (EN 15804) (EPD available on our website)	8,9 kg CO ₂ eq /m ²
Proportion of recycled components	17 %
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 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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