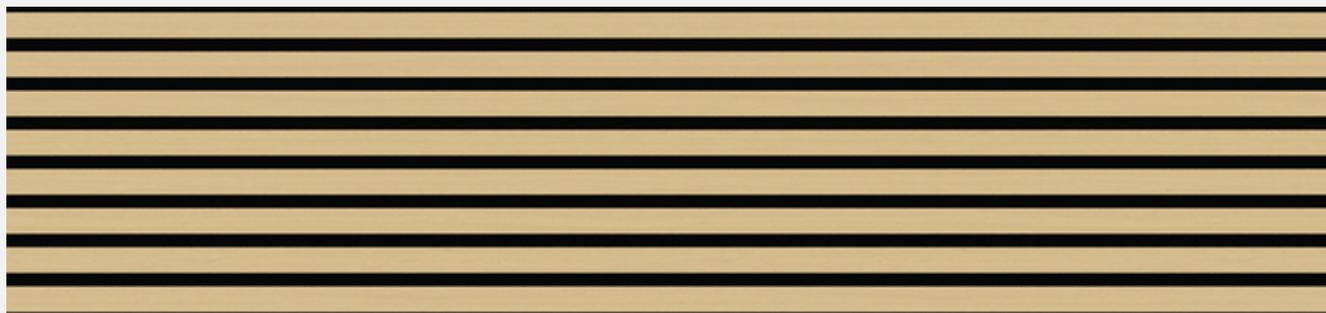


Boreart Signature Series Saint-Charles Curved

Combining acoustic performance and architectural design, the Saint-Charles Curved Signature Series offers high-end soundproofing panels designed for interior walls and ceilings. Thanks to their sound absorption capacity, they eliminate reverberation and ensure optimal acoustic comfort. Easy to install and with no visible screws, these panels are made from high-quality real wood veneer laminated onto natural or black MDF for an elegant and durable finish.

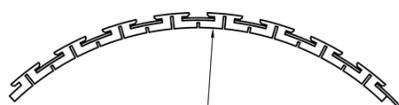
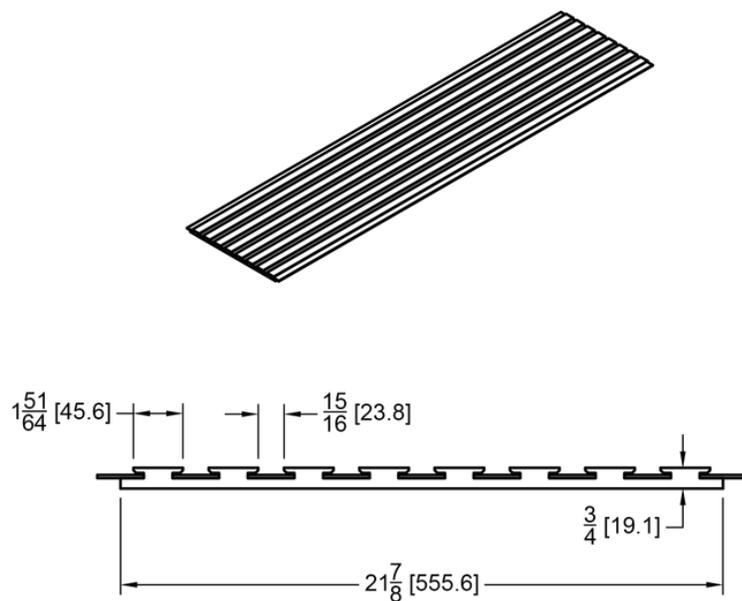
The panels can be curved inward (concave) or outward (convex), depending on the project requirements. This feature allows for great freedom of design and integration into environments with curved shapes or complex volumes, without compromising acoustic performance or aesthetic quality.



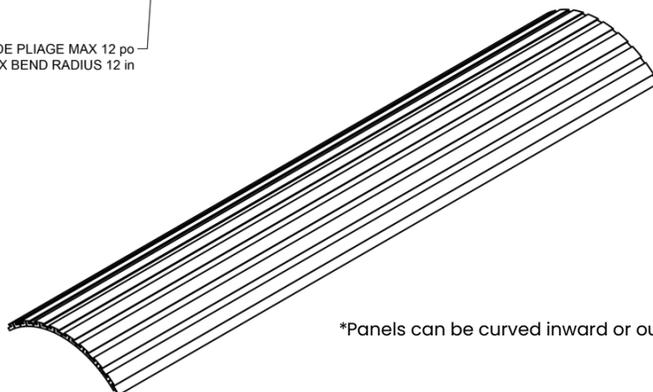
CHARACTERISTICS

Type	Boreart Signature Series Saint-Charles Curved (acoustic)
Melamine	Three (3) standard melamines, White Oak, Brushed Oak and Natural Walnut - other melamines available upon request
Nominal panel size	22" x 96"
Panel material	Natural or black MDF - Fire-resistant MDF (FR) - Moisture-resistant MDF (MR)
Slat sizes and spacing	One size fits all. See drawing page 2.
Acoustic material	Polyester and recycled plastic felt - 3.5 mm - 33 colors to choose from. See page 3.
Fire resistance	ASTM E-84 - Class A Class 1 Flame spread index = 0-25, smoke production index = 450 max NAF
Environment	Made from 100% pre-consumer recycled wood, FSC® certified, and subject to an NAF (no added formaldehyde) exemption.
Use	Interior; residential, commercial, and institutional
Installation	Rigid panels and easy installation Vertical or horizontal installation For interior walls and ceilings
Others	High-performance acoustic properties offering excellent sound reduction Finishing moldings available

SAINT-CHARLES SERIES PANEL WITH QUOTATIONS



RAYON DE PLIAGE MAX 12 po
MAX BEND RADIUS 12 in



*Panels can be curved inward or outward.

Panel weight

35.32 lbs

Panel area

14.67 ft²

Acoustic material

Felt - Fire resistant

Size

15/16" x 96"

Thickness

0.1378" (3.5 mm)

For more details on installation, please refer to the Boreart's Saint-Charles Curved Signature Series installation guide on the website www.boreart.ca.

MELAMINES



01 White Oak



02 Brushed Oak



03 Natural Walnut



04 Ash Walnut

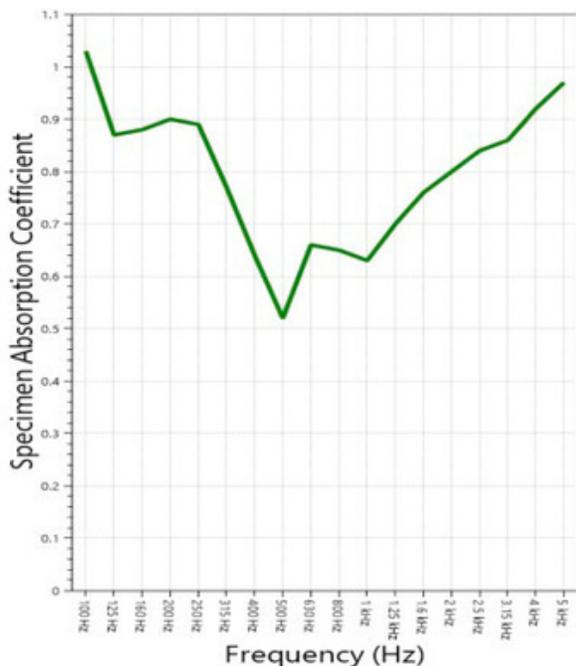


05 Black Walnut

*Please note that the colors shown may differ slightly from the actual colors due to variations in display rendering. For more details, please contact Boreart.

ACOUSTIC PERFORMANCE

Boreart's Saint-Charles Curved Signature Series panels are designed to reduce ambient noise. Noise Reduction Coefficient (NRC) up to 0.70.



SAA = 0.73
NRC = 0.70

1/3 Octave Center Frequency (Hz)	Total Absorption (m ²)	Total Absorption (Sabins)	Absorption Coefficient
100	6.89	74.19	1.03
** 125	5.83	62.74	0.87
160	5.87	63.21	0.88
200	6.03	64.87	0.90
** 250	5.93	63.84	0.89
315	5.18	55.75	0.77
400	4.30	46.30	0.64
** 500	3.48	37.47	0.52
630	4.41	47.43	0.66
800	4.37	46.99	0.65
** 1000	4.21	45.31	0.63
1250	4.70	50.58	0.70
1600	5.06	54.46	0.76
** 2000	5.34	57.52	0.80
2500	5.59	60.17	0.84
3150	5.72	61.60	0.86
** 4000	6.13	65.97	0.92
5000	6.50	69.99	0.97

SAA = 0.73
NRC = 0.70

3.5 mm FELT



*Please note that the colors shown may differ slightly from the actual colors due to variations in display rendering. For more details, please contact Boreart.

WARRANTY

Boreart offers a 1-year limited warranty on all its panels. For more details on the limited warranty, please contact Boreart.

USE & STORAGE

Wood products are hygroscopic by nature and must be installed flat and maintained in a building with a controlled environment. The temperature must be maintained between 15° and 30°C. Relative humidity must be maintained between 25% and 55%.

The advice and recommendations are purely advisory.

Handling and storage - panels must be stored in such a way as to protect them from moisture and direct sunlight. Panels should preferably be stored face to face or with the decorative side facing up, flat, completely horizontal, and level.

When handling or moving panel, it is important that the sheets are lifted above the adjacent sheets to avoid damage that may occur if the sheets are pulled or slid against each other. For larger formats, it is recommended that arched sheets be carried along the longitudinal axis to prevent sagging. Individual sheets can also be rolled up for easier handling.

Failure to comply with one or more of the above conditions will void the Boreart Architectural Products warranty.

Large orders of Boreart products are packaged and shipped in wooden crates and/or on 4'x4' wooden pallets.

HOW TO ORDER

To order a product, please write to info@boreart.ca using the following template to ensure maximum accuracy.

The first characters are the pattern code, followed by the melamine code, the panel material, the desired dimensions, and the last letters represent the complete color of the felt.



Pattern

Saint-Charles Curved : SCHC

Dimensions

22x96

Melamine

White Oak : CBL
 Brushed Oak : CBR
 Natural Walnut : NNA
 Ash Walnut : NCE
 Black Walnut : NNO

Material

Natural MDF : MDF NA
 Black MDF : MDF NO
 Natural FR MDF : MDF FR NA
 Black FR MDF : MDF FR NO
 Natural MR MDF : MDF MR NA
 Black MR MDF : MDF MR NO

Felt color

See page 3 for the 33 felt color choices.