

## Boreart Signature Series Saint-Charles

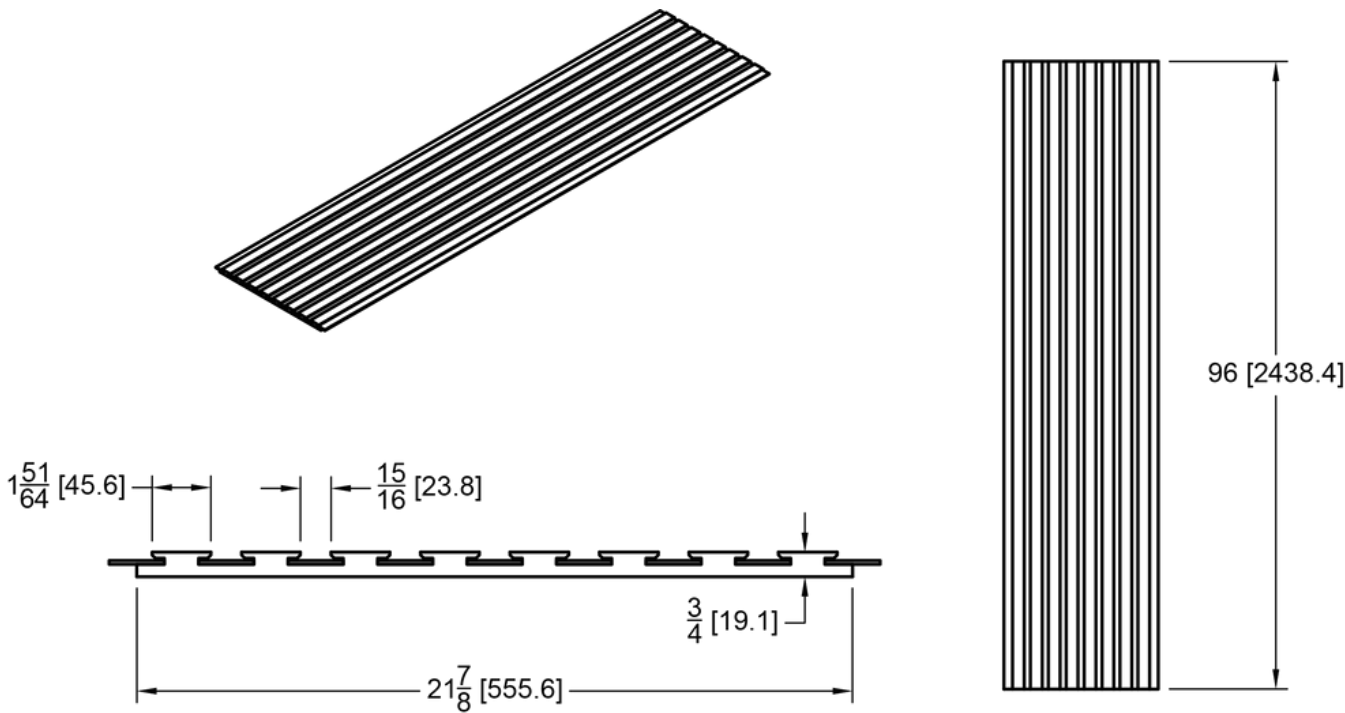
Combining acoustic performance and architectural design, the Saint-Charles Signature Series offers high-end soundproofing panels designed for interior walls and ceilings. Thanks to their sound absorption capacity, they eliminate reverberation and ensure optimal acoustic comfort. Easy to install, these panels are composed of a high-quality real wood veneer laminated onto natural or black MDF for an elegant and durable finish.



### CHARACTERISTICS

Type	Boreart Signature Series Saint-Charles (acoustic)
Melamine	Two (2) standard melamines, White Oak and Black Walnut - other melamines available upon request
Nominal panel size	22" x 96"
Panel material	Natural or black MDF - Fire resistant
Slat sizes and spacing	One size fits all. See drawing
Acoustic material	Polyester and recycled plastic felt - 3 mm - 33 colors to choose from. See page 4.
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**



Acoustic material

**Felt – Fire resistant**

Size 15/16" x 96"

Thickness 1/8" (3 mm)

**Panel weight**

35,32 lbs

**Panel area**

14,67 ft<sup>2</sup>

**INSTALLATION**

For more details, please refer to the Boreart Saint-Charles Signature Series installation guide on the website.

MELAMINES



01 Brushed Bleached Elm



02 White Oak



03 Ash Walnut



04 Black Walnut



05 Brushed Ash Elm



06 Black Brushed Elm

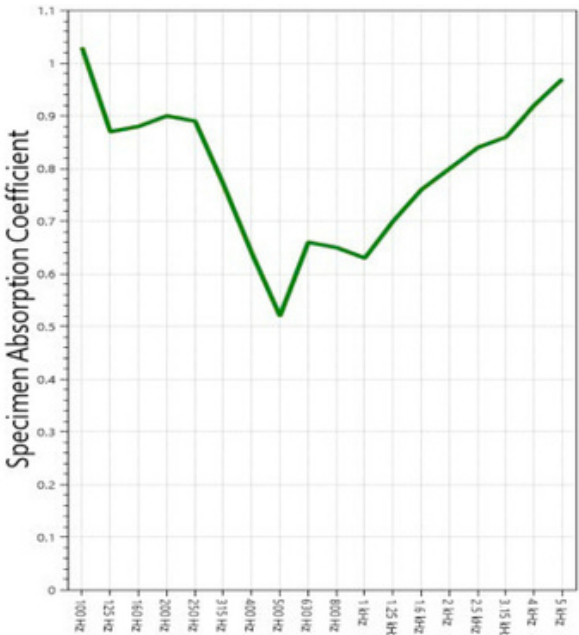


07 Brushed Grey Elm

\*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 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 <sup>2</sup> )	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**

## FELT



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## SHIPPING

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

## WARRANTY

Boreart offers a 5-year 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 - melamine sheets must be stored in such a way as to protect them from moisture and direct sunlight. Melamine sheets should preferably be stored face to face or with the decorative side facing up, flat, completely horizontal, and level.

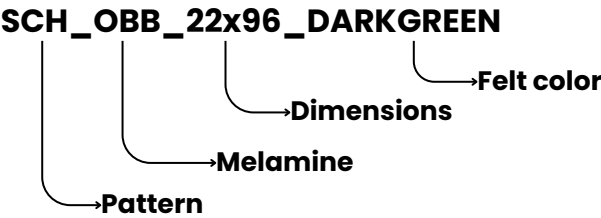
When handling or moving melamine, it is important that the sheets are lifted above the adjacent sheets to avoid damage that may occur if the sheets are pulled or slid against each other. For larger formats, it is recommended that arched sheets be carried along the longitudinal axis to prevent sagging. 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.**

**HOW TO ORDER**

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

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



**Pattern**

Saint-Charles : SCH

**Colors**

See page 4 for the 33 felt color choices.

**Melamines**

Brushed Bleached Elm :	OBB
White Oak :	CBL
Ash Walnut :	NCD
Black Walnut :	NNR
Brushed Ash Elm :	OBC
Black Brushed Elm :	OBN
Brushed Grey Elm :	OBG