

MOTIF SHIPLAP

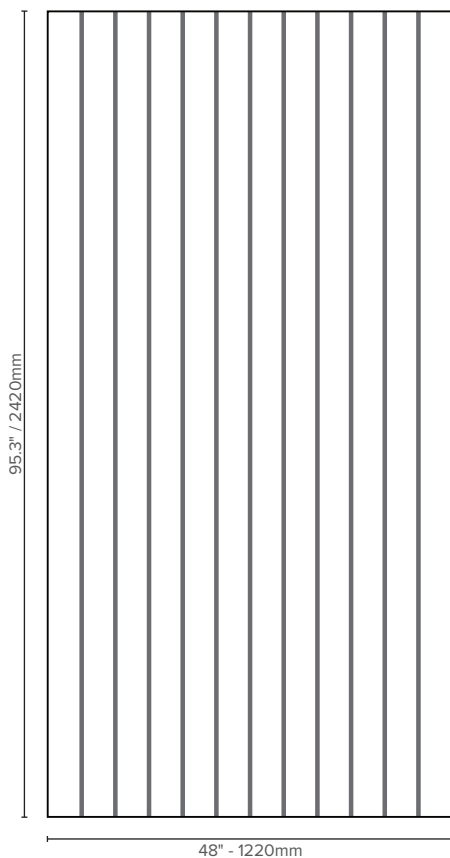
TYPE: LX-MS-

KEY FEATURES

- Highly effective noise absorption (NRC=0.85)
- Lightweight, durable and ecofriendly material offering easy maintenance and installation
- Anti-microbial properties with high resistance to humidity, moisture & chemicals
- Seamless joints between panels
- Custom sizes and patterns available

SIZE, PATTERN AND PROPERTIES

SIZE



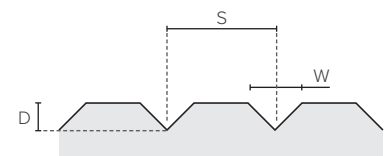
PATTERN



Similar and different cutting techniques allow for a variety of patterns. See page 4 for alternative pattern options using these techniques

V-CUT SPECS

Width (W)	0.47" / 12mm
Spacing (S)	4" / 102mm
Depth (D)	0.24" / 6mm



PANEL PROPERTIES

Height	95.3" / 2420mm
Width	48" / 1220mm
Thickness	0.47" / 12mm
Panel weight	11.37lbs / 5.16Kg
NRC / α_w	0.85
Composition	100% polyester fiber (PET)
Reaction to Fire	Class A / B-s1-d0

Motif Panels are indoor wall coverings certified for safe use in North American and European projects. Key panel properties are summarized on the table on the left.

Please refer to page 3 for comprehensive details regarding all product certifications.

ORDER CODES

FOR ACOUSTIC PANEL

EXAMPLE: LX - MS - SA

(Luxbox Motif Shiplap Acoustic Panel, Sand PET color)

LX - MS	
PRODUCT CODE	COLOR
MS	Use color codes as shown on pg. 2

FOR DOUBLE SIDED TAPE

EXAMPLE: LX - DT

(Luxbox Double sided tape for Motif Acoustic Panels)

LX - DT	
PRODUCT CODE	
DT	

This product (LX-DT) has no customization options. To order, determine the required quantity with your installer and use product code 'LX-DT'.

Refer to our online Installation Instructions for details regarding the installation process using the provided double-sided tape.

NOTE: Please be aware that the products listed are sold individually, not as sets. Each product code corresponds to a single item. To order multiple units of a specific product, indicate the desired quantity when placing your order.

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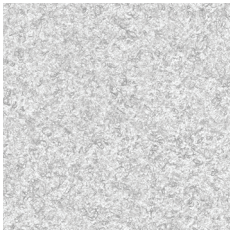
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AVAILABLE COLORS

CORE



Off White
(OW)



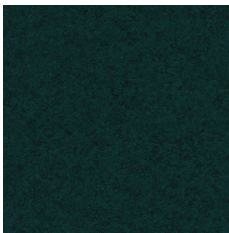
Light Grey
(LG)



Light Blue
(LB)



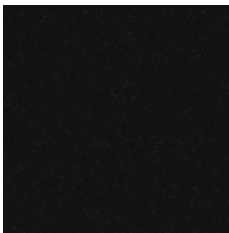
Dark Blue
(DB)



Emerald Green
(EG)



Charcoal
(C)



Black
(B)

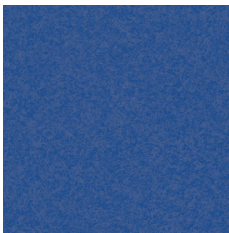
DESIGNER



Sand
(SA)



Mid Grey
(MG)



Bright Blue
(BB)



Steel Blue
(SB)



Forest Green
(FG)



Bright Yellow
(BY)



Orange
(O)



Red
(R)

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MATERIAL SPECIFICATIONS

REACTION TO FIRE	AS/NZS 1530.3 / ISO 9705	Group 1	COLOR FASTNESS TO LIGHT:	ISO 105-B02	Rating: 6-7
	GB8624	B1			
	ASTM E-84-14	Class A, FSI:20 - SDI:450			
	BS EN13501-1	B-s1, d0			
VOC EMISSIONS:	ASTM D5116	Rate: < 0.01 mg/m ² /hr (7 days)	ENVIRONMENTAL:	GRS 4.0	Certified by Intertek
			THERMAL TRANSITION:	ASTM C518-2010	R- Value = 0.30 m ² K/W
			SOUND ABSORPTION:	ISO 354	NRC= 0.85

PRODUCT ACOUSTIC PROPERTIES

STANDARDS

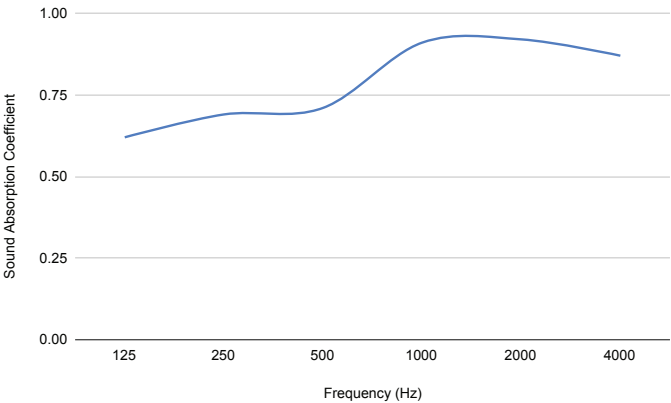
Testing and post analysis procedures were carried out in accordance with the references detailed below:

ISO 354:2003	Acoustics - Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics - Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-22	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests

ACOUSTIC PERFORMANCE

Frequency (Hz)	Sound Absorption Coefficient
125	0.69
250	0.92
500	0.96
1000	0.76
2000	0.79
4000	0.74

Noise reduction Coefficient (NRC)	0.85
Sound Absorption Average (SAA)	0.83
Weighted Sound Absorption Coefficient (aw)	0.85
Absorption Class	Class B



Please note that the acoustic performance of our Motif Panels could be significantly improved by adding an air gap between the acoustic panel and the wall.

ACOUSTIC PERFORMANCE METRICS EXPLAINED

Noise Reduction Coefficient (NRC): The NRC is a single-number rating that indicates how much sound a material absorbs. An NRC of 0.85 means the material absorbs 85% of incident sound and reflects 15%.

Sound Absorption Average (SAA): The SAA is a more detailed version of the NRC, calculated as the average absorption across twelve one-third octave bands from 200 Hz to 2500 Hz. This provides a finer-grained insight into how the material performs across speech-relevant frequencies.

Weighted Sound Absorption Coefficient (aw): aw is a European single-number rating that condenses a material's sound absorption performance into a value between 0 and 1, based on standardized laboratory testing (ISO 11654). It is weighted to match human auditory sensitivity, making it highly relevant in architectural design.

Absorption Class: Derived from aw, the Absorption Class (A–E) categorizes materials into intuitive performance bands, with Class A representing the highest sound absorption. This makes it easier for designers and clients to compare materials without reading full test reports.

Frequency-Dependent Absorption Coefficients: These values show how much sound is absorbed at specific frequencies—typically at 125, 250, 500, 1000, 2000, and 4000 Hz. They are critical for specialists aiming to target particular acoustic issues, such as controlling low-frequency rumble or high-frequency reverberation.

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INSTALLATION OVERVIEW

INSTALLATION INSTRUCTIONS & CARE MANUAL

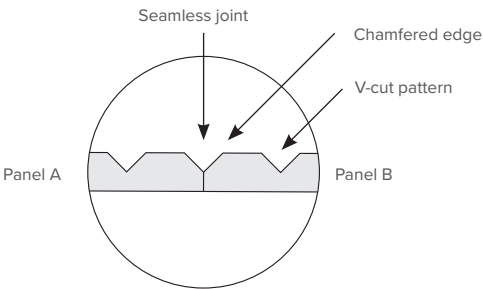
Our Motif Panels are easy to install, extremely durable and require little attention to maintain their good looks. A proper installation and light cleaning on a regular basis, will maintain their appearance and prolong the life of the material.

Please refer to our fully detailed Installation Instructions and Care Manual on the product's webpage.

SEAMLESS PATTERNS

Our textured panels use seamless patterns achieved through v-cuts, also used to chamfer edges so they integrate into the full wall pattern. Please see the diagram on the right for reference.

The non-woven material prevents pattern repetition, but slight variations may occur between samples and batches.



ON SITE ADJUSTMENTS

These panels are designed for easy on-site modification. Their width and height can be adjusted during installation using common tools in the industry. Refer to the On-Site Modifications section of our Installation Instructions for guidelines on working with this material.

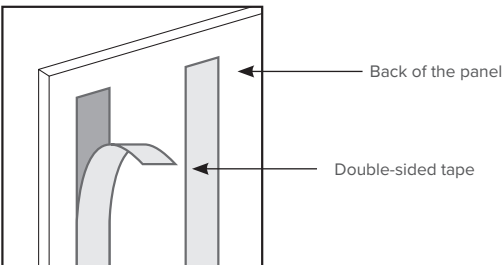
Custom panel sizes are also available directly from the factory. Contact your sales agent for more information.

FIXING METHOD

Motif Panels can be wall-mounted using standard polyurethane-based construction adhesive or other suitable alternatives. For simpler installation, an optional double-sided tape adhesive specifically designed for our Motif Acoustic Panels is available.

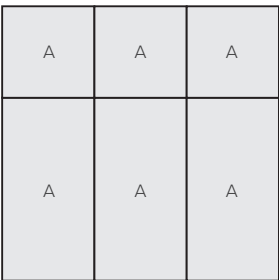
This item comes in rolls of 50m / 54.7yds and can be ordered using the Product Code LX-DT as shown on the Order Matrix on pg. 1. Note that one full roll will allow you to fix 3x panels.

To use the tape, apply strips to the back of the panel (refer to the diagram on the right). Consult the Installation Instructions document for more detailed guidelines on these and other installation methods. It is recommended to confirm your installer's preferred fixing method before placing an order.



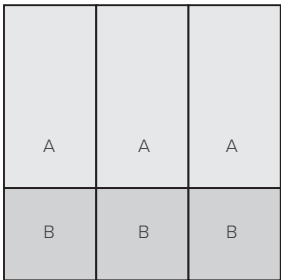
LAYOUT IDEAS

Standard Layout



- Single color
- Butt joints between adjacent panels
- Can be extended in height and width

Multi-color Layout



- Combination of multiple PET colors.
- Panels can be cut at different heights
- Butt joints between adjacent panels
- Can be extended in height and width

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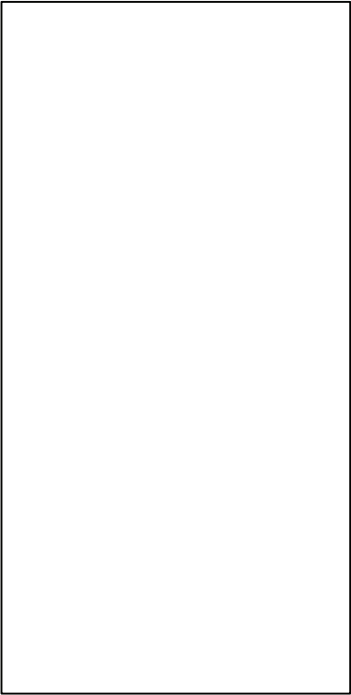
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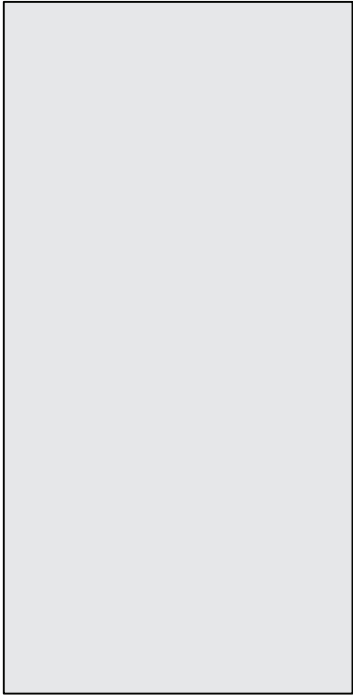
OTHER AVAILABLE PATTERNS

Please see other pattern options below. More detailed information on each product range can be found on our website.

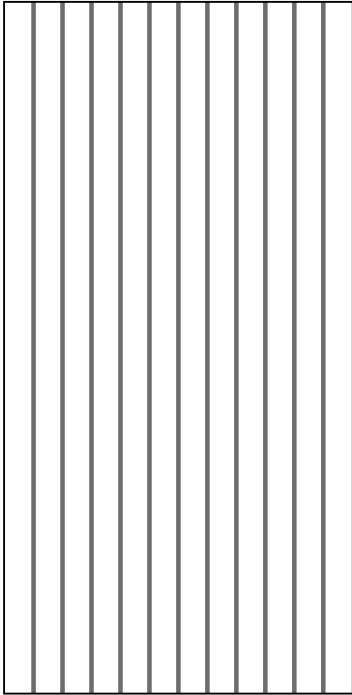
MOTIF BASICA



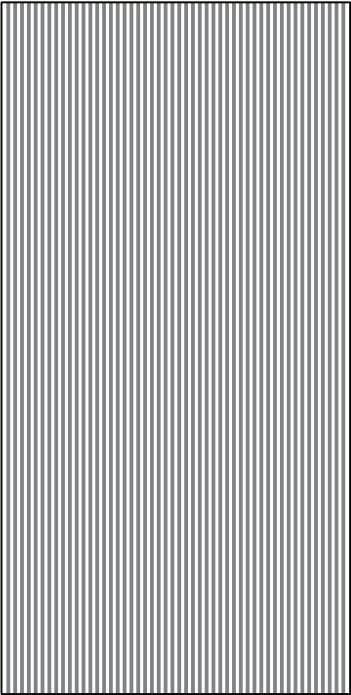
MOTIF VEIL



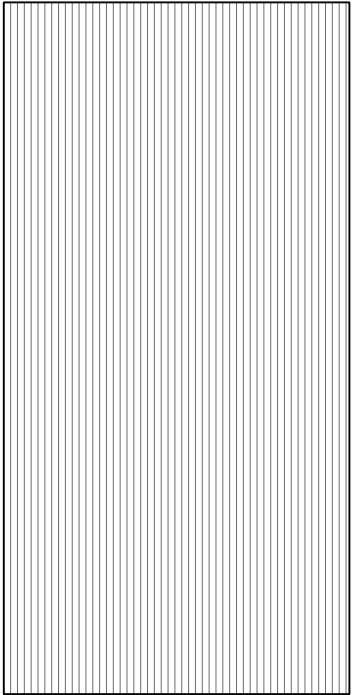
MOTIF SHIPLAP



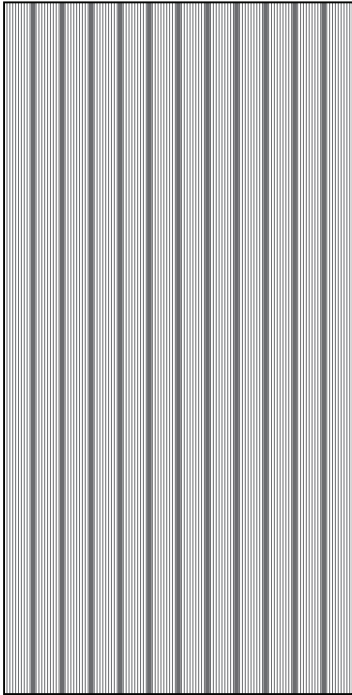
MOTIF RANURA



MOTIF WHISPERLINES



MOTIF PULSE



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