



**MOTIF LUNA**  
ACOUSTIC WALL PANEL





## PRODUCT OVERVIEW

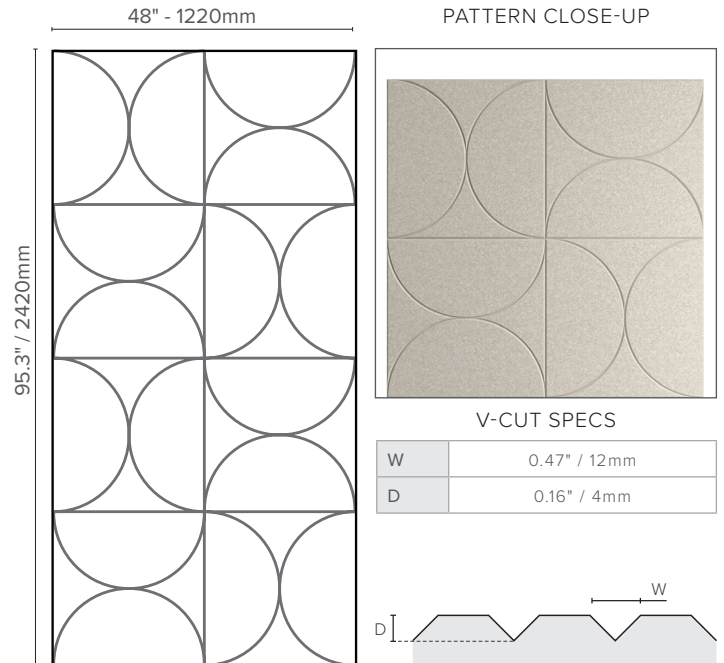
Bring a serene, organic flow to your interiors with Motif Luna. Inspired by Moroccan ogee drop tiles, its interlacing semi-circular curves create a mesmerizing ripple effect. This design mimics an eight-tile layout for a sophisticated look with full-panel cost efficiency. Beyond its peaceful aesthetic, this sustainable panel expertly manages sound (NRC 0.85), is easily modified on-site, and is fully compatible with our Spider Mount system.

### DIMENSIONS AND WEIGHT

	IMPERIAL	METRIC
Height	95.3"	2420mm
Width	47.24"	1200mm
Thickness	0.47"	12mm
Weight	11.37lbs	5.16Kg
Density	0.492 lb/ft <sup>2</sup>	2.4Kg/m <sup>2</sup>

### SPECIFICATIONS

Material	100% Polyester Fiber (PET)
Recycled	99% Post-consumer recycled PET
Reaction to Fire	ASTM E84-2022: Class A (FSI: 0, SDI: 160) EN 13501-1:2018: B-s1, d0
VOC Emissions	ASTM D5116: 0.01 mg/m <sup>2</sup> /hr (7 days)
Color fastness to Light	ISO 105-B02 Rating:6-7
Environmental	GRS 4.0 certified by Intertek
Thermal Transition	ASTM C518-2010: R-value=0.30m <sup>2</sup> K/W



### ORDER CODE

EXAMPLE: LX - ML - SA  
(Luxxbox Motif Luna, Sand PET)

PRODUCT	COLOR
LX-ML	Use color codes as shown on the next page.

The above ordering code includes 1pc in standard dimensions. Custom sizes and patterns are also available upon demand.

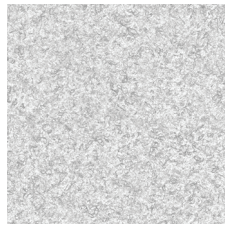
## MOTIF LUNA ACOUSTIC WALL PANEL

# AVAILABLE COLOURS

CORE



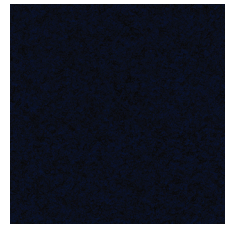
Off White  
(OW)



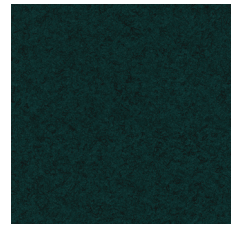
Light Grey  
(LG)



Light Blue  
(LB)



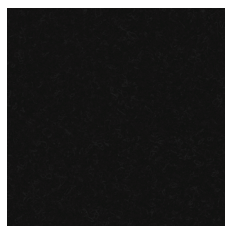
Dark Blue  
(DB)



Emerald Green  
(EG)

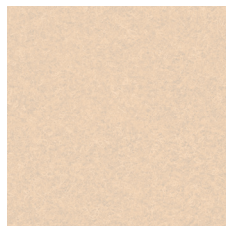


Charcoal  
(C)



Black  
(B)

DESIGNER



Blush  
(BH)



Sand  
(SA)



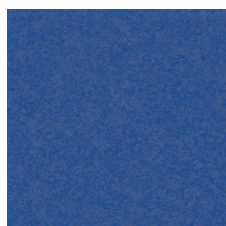
Mid Grey  
(MG)



Terra  
(TR)



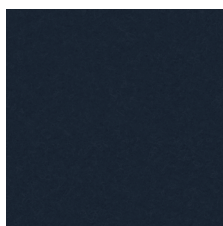
Espresso  
(ES)



Bright Blue  
(BB)



Steel Blue  
(SB)



Ink  
(IN)



Sage  
(SE)



Forest Green  
(FG)



Bright Yellow  
(BY)



Orange  
(O)



Red  
(R)

# ACOUSTIC PROPERTIES

## STANDARDS

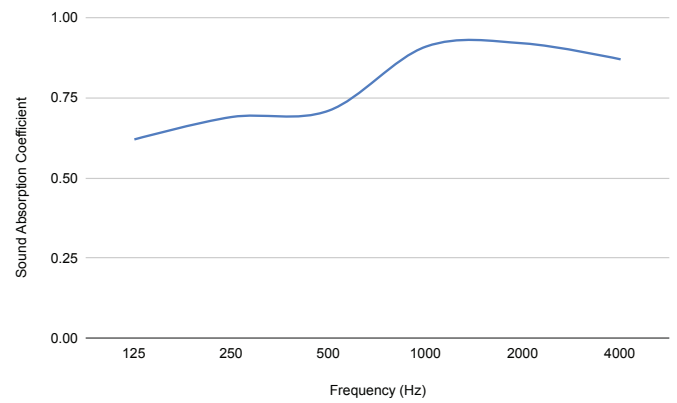
ISO 354:2003	Acoustics - Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics - Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-22	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM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

## SUMMARY

Noise Reduction Coefficient	NRC	0.85
Weighted Sound Absorption Coefficient	SAA	0.85
Sound Absorption Average	aw	0.83
Absorption Class	Class	B

## 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



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.

# INSTALLATION OVERVIEW

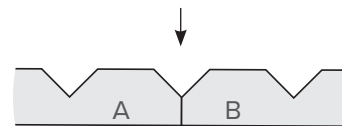
## DOCUMENTATION

The documents below can be found on the Product's page on our website. You can also click on the name of the document, or scan the QR code to access these documents

Document & Link	Description	QR Code
<a href="#">Care Manual</a>	Cleaning and maintenance instructions to help preserve the appearance and longevity of these products.	
<a href="#">Installation Instructions</a>	Detailed instructions for the inspection, preparation, installation, and on-site modification of Motif Acoustic Panels, focusing on common installation methods and best practices for wall applications.	
<a href="#">Spider Mount Spec Sheet</a>	Detailed specifications, components, installation guidelines, and available options for the Luxxbox Spider Mount system, which is designed for efficient and modular wall mounting of acoustic panels.	

## EDGE TREATMENT

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.



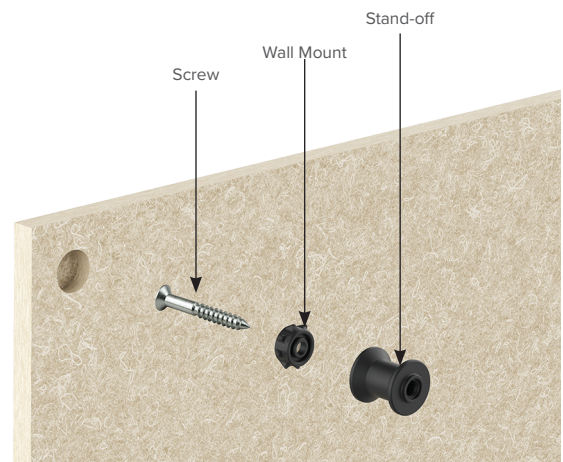
## SPIDER MOUNT

We recommend the patent-pending Spider Mount panel mounting system for a streamlined, highly efficient installation. This versatile system is compatible with various panel sizes and materials and allows for easy on-site adjustments.

Key Features and Benefits:

- **Optimized Acoustics and Flexibility:** The stackable stand-off allows for custom air gap adjustment, optimizing acoustic performance, easily concealing cables, and compensating for uneven walls.
- **Easy Cable Management:** Off-wall spacing provides easy, repeated access to hidden cabling without damaging the wall treatment.
- **Reusable and Reconfigurable:** The quick-connection mount can be easily disassembled and reused, ideal for reconfiguring spaces or relocating.

Check the Spider Mount Spec Sheet, linked at the top of the page, for more detailed information. Use the Order Matrix below to configure your ordering code.



## ORDER CODE

EXAMPLE: LX - SM - WM - 10

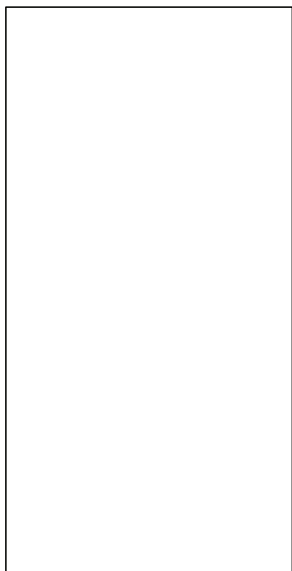
(Luxxbox Spider Mount, Wall Mount, Pack of 10pcs)

PRODUCT	COMPONENT		PACK	
SM	WM	Wall Mount	10	Pack of 10pcs
	SO	Stackable Stand-Off	50	Pack of 50pcs
			100	Pack of 100pcs
	HT		01**	Pack of 1pc

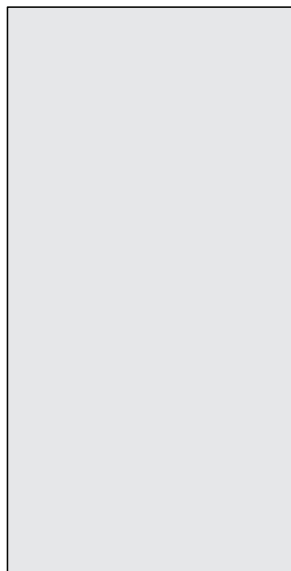
\* Screws are not included. † 88The Hole Tool (HT) is only available in a pack of a single piece.

# OTHER AVAILABLE PATTERNS

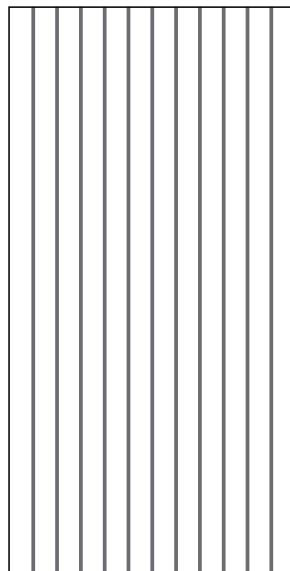
MOTIF BASICA (LX-MB)



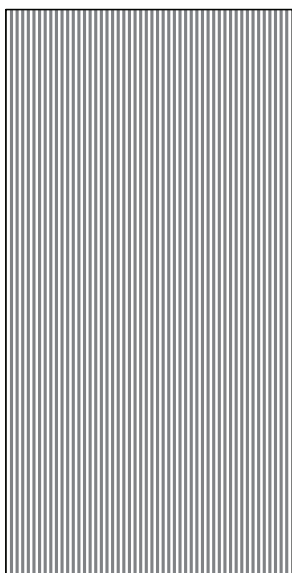
MOTIF VEIL (LX-MV)



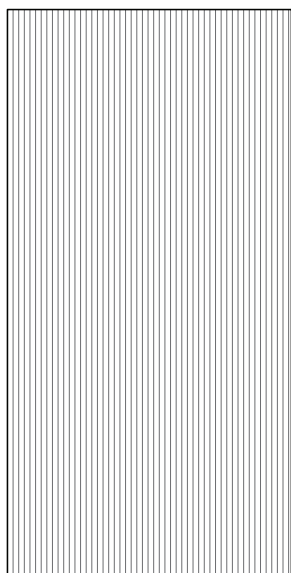
MOTIF SHIPLAP (LX-MS)



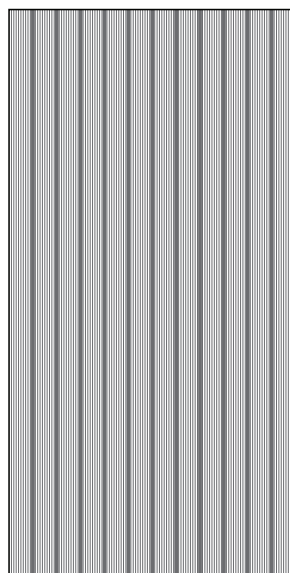
MOTIF RANURA (LX-MR)



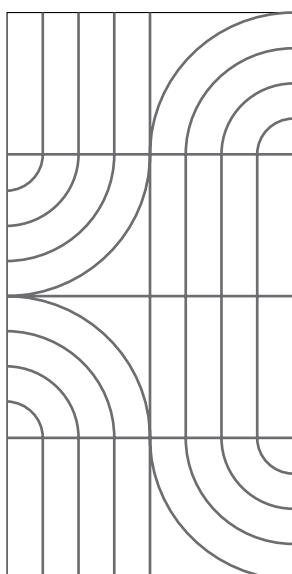
MOTIF WHISPERLINES (LX-MW)



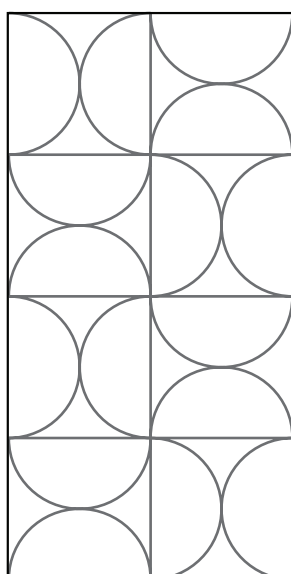
MOTIF PULSE (MP)



MOTIF ENLACE (LX-ME)



MOTIF LUNA (LX-ML)



MOTIF HATCH (MH)

