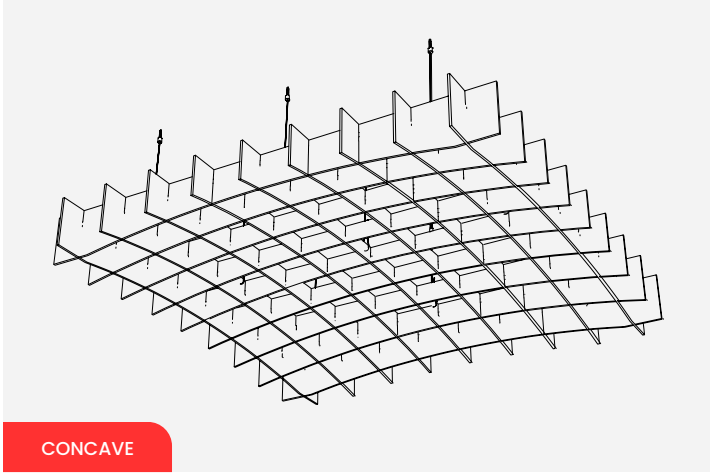
PanelHush PET Grid

PRODUCT INFO

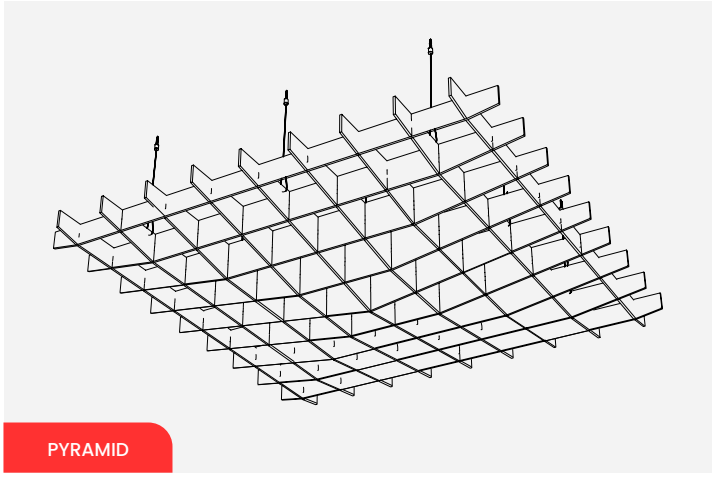
The PanelHush PET Grid is a modern acoustic solution that delivers strong sound control and a bold look. It covers large areas with ease and works as a simple alternative to modular baffles. Available in several shapes, it keeps the signature crossing lines that define every PET Grid product.

The PanelHush PET Ceiling Grid range brings strong sound control with a clean, stylish look for any room.

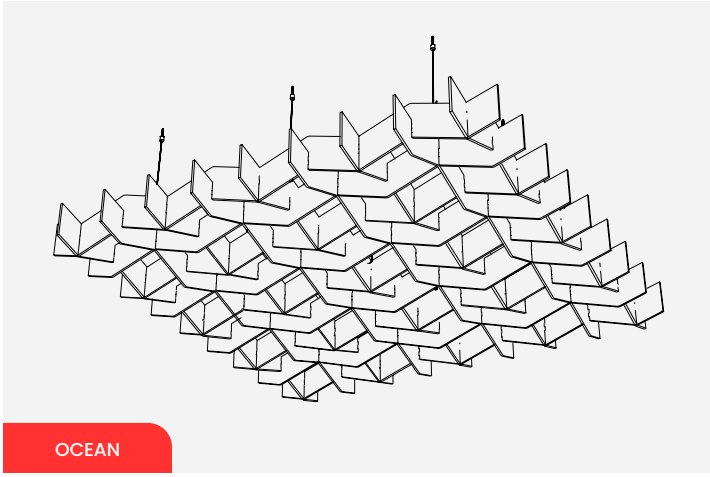
LATTICE DESIGNS



CONCAVE



PYRAMID



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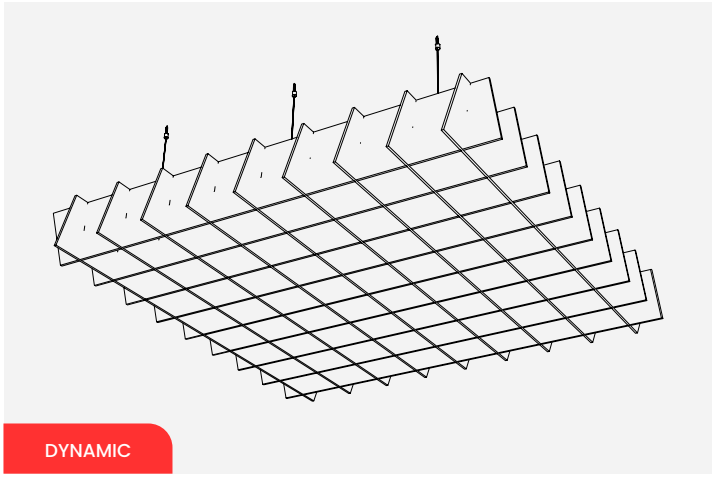
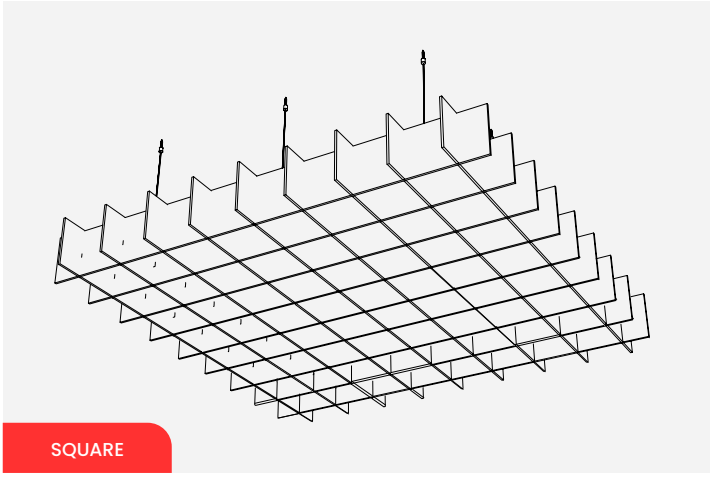


DYNAMIC



SQUARE

PRODUCT	ARTICLE	DIMENSION	THICKNESS
Concave	03CTLAT-CON000	2750mm x 2750mm x 300mm	12mm/24mm
Dynamic	03CTLAT-DYN000	2750mm x 2750mm x 300mm	12mm
Ocean	03CTLAT-OCE000	2750mm x 2750mm x 300mm	12mm/24mm
Pyramid	03CTLAT-PYR000	2750mm x 2750mm x 300mm	12mm/24mm
Square	03CTLAT-SQU000	2750mm x 2750mm x 300mm	12mm/24mm

MATERIAL INFORMATION

COMPOSITION:	75% Recycled PET Fibre | 25% Virgin Fibre
FIRE RATING:	12mm DIN EN 13501-1 B-s1, d0 24mm DIN EN 13501-1 B-s1, d0
DENSITY:	2.4kg/m² (12mm) / 3.8kg/m² (24mm)
ACOUSTICS:	Class B Absorber

*Our PanelHush PET panels have a Thickness Tolerance of ±1 mm and a Length & Width Tolerance of ±3 mm

FINISHES

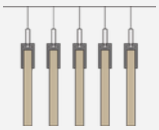
PanelHush is made with high quality recycled PET panels. The selection has different colours that would compliment any interior space and concept.

INSTALLATION

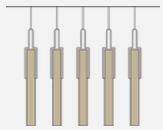
PanelHush cater for all project budgets and have multiple fixing methods.

PanelHush PET Grid system can be installed using the following method:

HUSH RAIL



SKY ANCHOR



DESIGN TIPS

These are just some design tips you can do in order to maximise the full potential of our Lattice products:

1. Adjust the height of the Grid based on the ceiling height to achieve optimal acoustic performance and aesthetic impact.
2. Coordinate the design of Grid with other ceiling elements, such as air diffusers, sprinklers, and vents, to ensure seamless integration and functionality.
3. Create mockups or samples of Lattice to evaluate visual and acoustic characteristics before full-scale installation, ensuring design intent and performance expectations are met.
4. PanelHush products are best suited for large office areas that needs colloration and productivity.

ACOUSTIC PERFORMANCEMANCE

The acoustic performance of materials pertains to their capacity to absorb, reflect, or transmit sound waves. This concept is essential in architecture, interior design, and engineering, as it influences how sound interacts within a space. Materials with excellent acoustic properties can help lower noise levels, enhance speech clarity, and foster more comfortable and functional environments by managing reverberation and sound transmission.

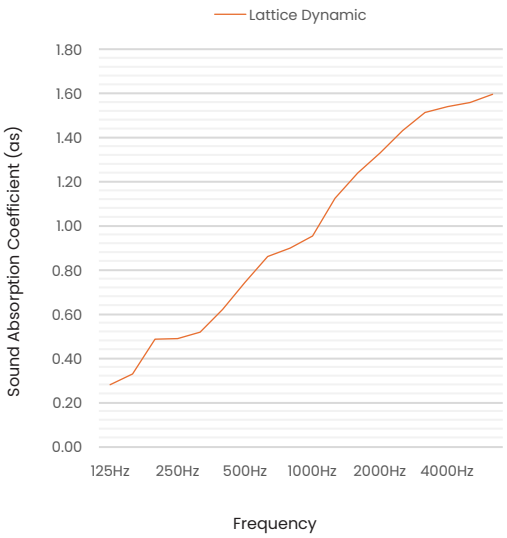
TESTING STANDARDS

ISO 354	Measurement of sound absorption in a reverberation room
ISO 11654	Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ACOUSTICS:	Sound absorbers for use in buildings — Rating of sound absorption

ACOUSTICALLY TESTED LATTICE	aw	NRC	CLASS
Dynamic	0.85(H)	1.00	B

For aw, it is strongly recommended to use this single-number rating in combination with the complete sound absorption curve that can be obtained on request.

FREQUENCY (Hz)	125	250	500	1000	2000	4000
Dynamic	0.35	0.55	0.85	1.10	1.45	1.55



Weighted Sound Absorption Coefficient (aw) - Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

Noise Reduction Coefficient (NRC) - The mean average as value at frequencies 250, 500, 1000 and 2000 Hz.

Absorption Class – Levels of comparison of absorption values against a reference curve with A as highest and E as lowest. Measured in accordance with ISO 11654.

Practical Sound Absorption Coefficient (ap) - The average of the three as values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.


Global Market Trends