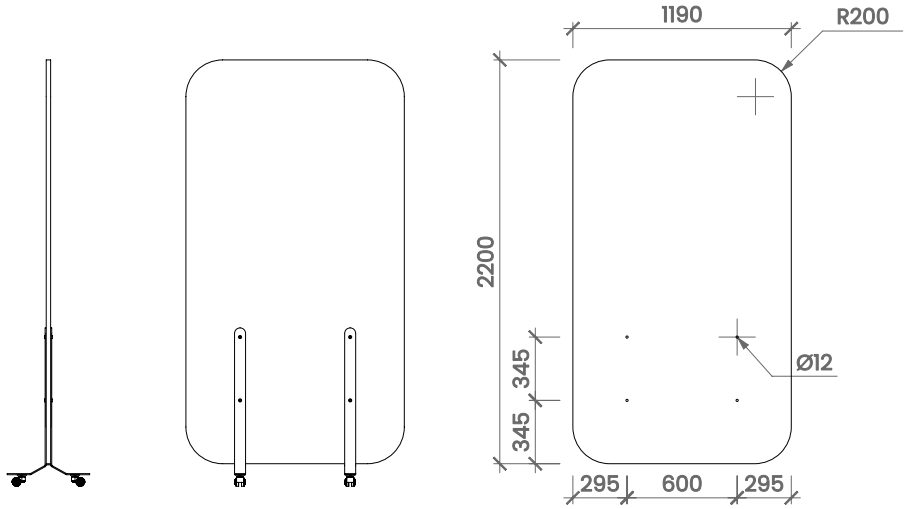

THE
ACOUSTICS
COMPANY
TROY
Movable Partitions

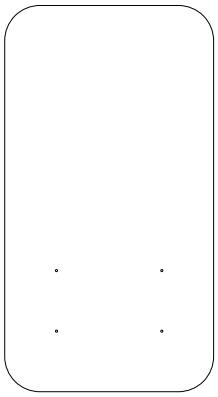
PRODUCT INFO

Introducing the Troy acoustic movable partition, crafted from eco-friendly recycled PET panels. This innovative partition not only enhances sound insulation but also promotes sustainability by repurposing plastic waste. Designed for flexibility and ease of use, Troy can be effortlessly reconfigured and reposition to adapt to any space, making it ideal for offices, classrooms, and event venues.

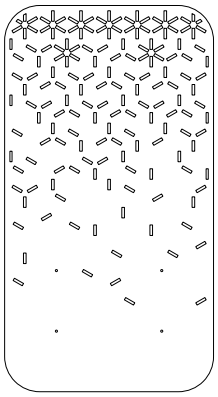
Its sleek, modern design ensures it seamlessly integrates into any décor, while its durable construction guarantees long-lasting performance.

TROY DESIGNS

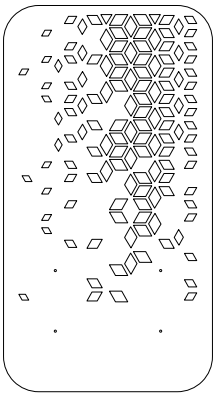




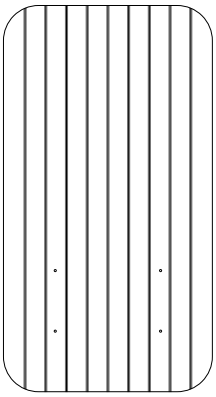
PLAIN



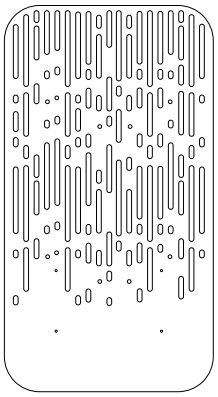
DENDRITES



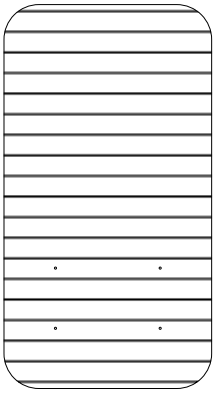
CALYX



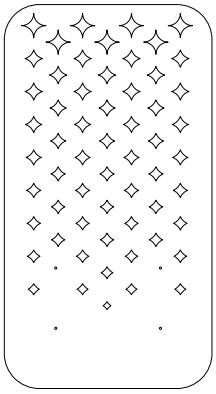
VERTICAL



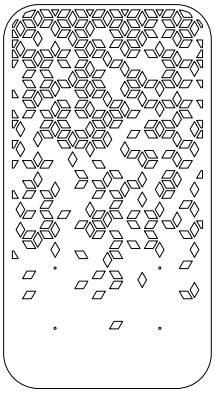
STREAM



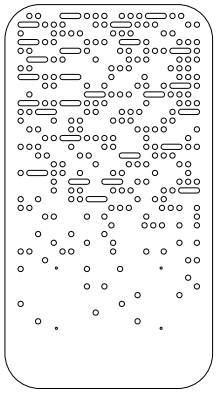
HORIZONTAL



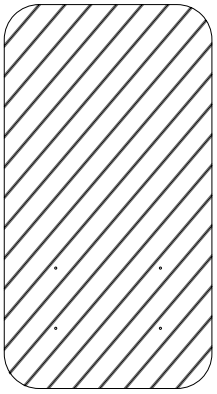
STELLAR



BURGEON



MORSE



DIAGONAL

PRODUCT	ARTICLE	DIMENSION	THICKNESS
Plain	06SDTRO-PLA000	Modular dimension as shown	24mm
Dendrites	06SDTRO-DEN000	Modular dimension as shown	24mm
Calyx	06SDTRO-CAL000	Modular dimension as shown	24mm
Vertical	06SDTRO-VER000	Modular dimension as shown	24mm
Stream	06SDTRO-STR000	Modular dimension as shown	24mm
Horizontal	06SDTRO-HOR000	Modular dimension as shown	24mm
Stellar	06SDTRO-STE000	Modular dimension as shown	24mm
Burgeon	06SDTRO-BUR000	Modular dimension as shown	24mm
Morse	06SDTRO-MOR000	Modular dimension as shown	24mm
Diagonal	06SDTRO-DIA000	Modular dimension as shown	24mm

MATERIAL INFORMATION

COMPOSITION:	75% Recycled PET Fibre | 25% Virgin Fibre
FIRE RATING:	24mm EN13501-1:2007+A1:2009 B - S1, D0
DENSITY:	3.8kg/m² (24mm)
ACOUSTICS:	Class A, C, and D Absorber

*Our Alpha panels have a cutting tolerance of +- 3mm

FINISHES

Troy is made with high quality recycled PET panels. The selection has different colours that would compliment any interior space and concept. Please refer to the QR code below:

Finishes
Scan the code or visit
www.acousticscompany.com/finishes

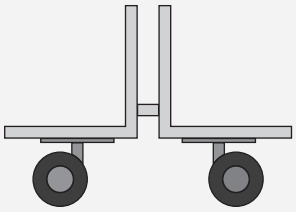
Catalogue
Scan the code or visit
https://acousticscompany.com/wp-content/uploads/2025/03/PRODUCT-BROCHURE-2025.pdf

INSTALLATION

The Acoustics Company cater for all project budgets and have multiple fixing methods.

Troy movable partition can be installed using the following method/accessory:

CASTER WHEEL MOUNTED



DESIGN TIPS

These are just some design tips you can do in order to maximize the full potential of our Troy product:

1. Troy is good for large open office spaces that needs seperate areas and partitions.
2. Troy can be used as a complementary partition for workspaces giving it more privacy and better sound quality control.
3. Experiment with different colours and finishes for the PET panels to complement the overall interior design of the area.
4. Combine Troy with other space divider products such as the PoshArc and Vibescreens. Large open space areas can be sectioned down with these beautiful and sophisticated acoustic products!

ACOUSTIC PERFORMANCE

The acoustic performance of materials refers to their ability to absorb, reflect, or transmit sound waves. This concept is crucial in architecture, interior design, and engineering, as it determines how sound behaves in a space. Materials with good acoustic performance can reduce noise levels, improve speech intelligibility, and create more comfortable and functional environments by controlling reverberation and sound transmission.

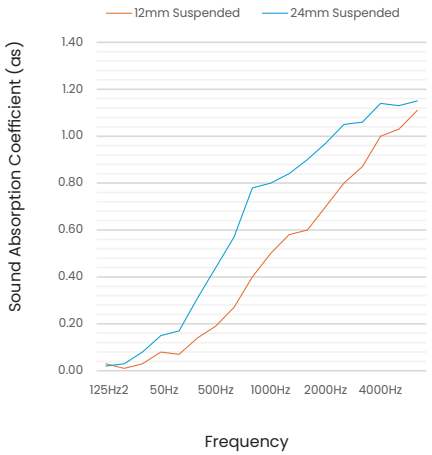
TESTING STANDARDS

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	aw	NRC	CLASS
12mm Direct Fix	0.35(H)	0.45	D
12mm + 75mm Airgap	0.75(MH)	0.85	C
24mm Direct Fix	0.50(MH)	0.65	D
24mm + 75mm Airgap	0.90	1.00	A

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

FREQUENCY (Hz)	125	250	500	1000	2000	4000
12mm Direct Fix	0.00	0.10	0.30	0.55	0.80	1.00
12mm + 75mm Airgap	0.15	0.45	0.85	1.00	1.00	1.00
24mm Direct Fix	0.05	0.20	0.60	0.85	1.00	1.00
24mm + 75mm Airgap	0.25	0.60	1.00	1.00	1.00	1.00



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.

Note: The sound absorption values provided in this product sheet are subject to change without prior notice from The Acoustics Company. For the most current and accurate technical specifications, please contact our Sales Team directly.

THE ACOUSTICS COMPANY

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