THE ACOUSTICS COMPANY

TRANQUIL

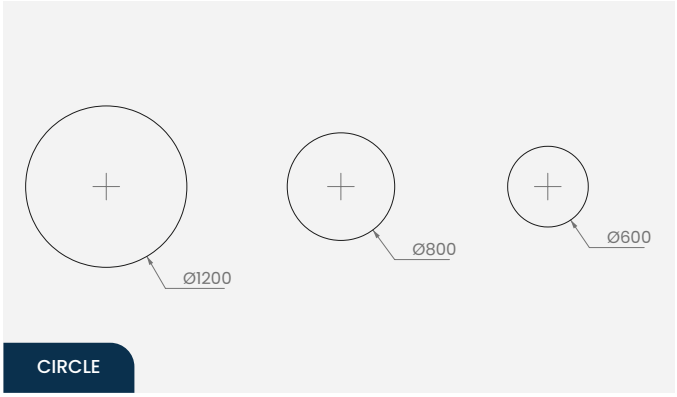
Ceiling Rafts

PRODUCT INFO

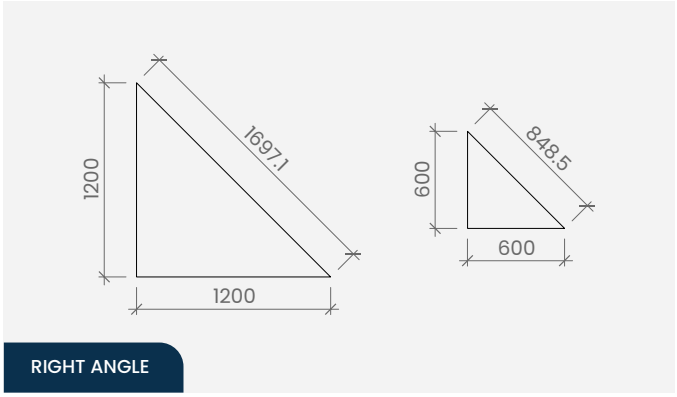
Tranquil is a versatile acoustic ceiling product designed to deliver exceptional sound absorption and flexible design possibilities. Crafted from recycled glass fibre and wrapped in fabric, it offers over 200 colour and texture options to seamlessly complement any interior design concept.

Tranquil combines superior acoustic performance with limitless aesthetic potential, making it ideal for enhancing both functionality and style in unique and extraordinary projects. Whether creating a bold statement or a subtle enhancement, Tranquil adapts to your vision, providing a perfect balance of practicality and design.

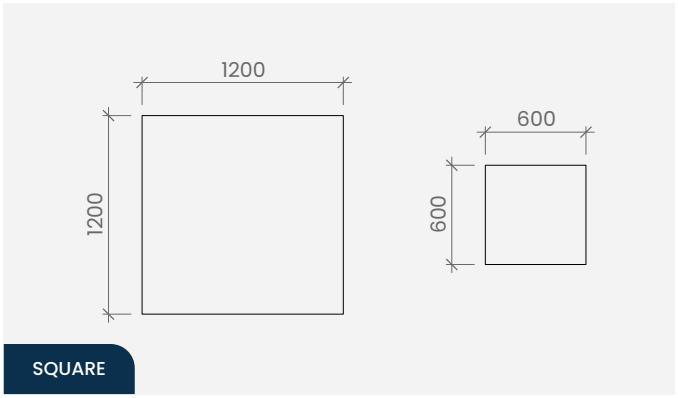
TRANQUIL DESIGNS



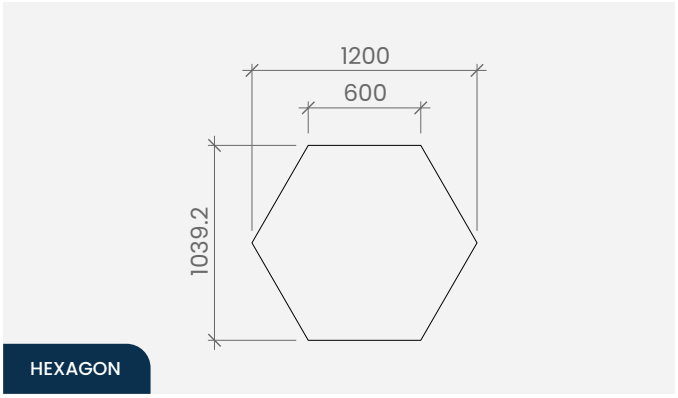
CIRCLE



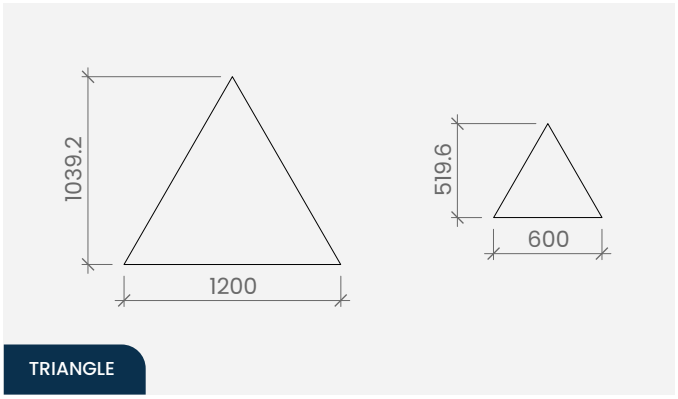
RIGHT ANGLE



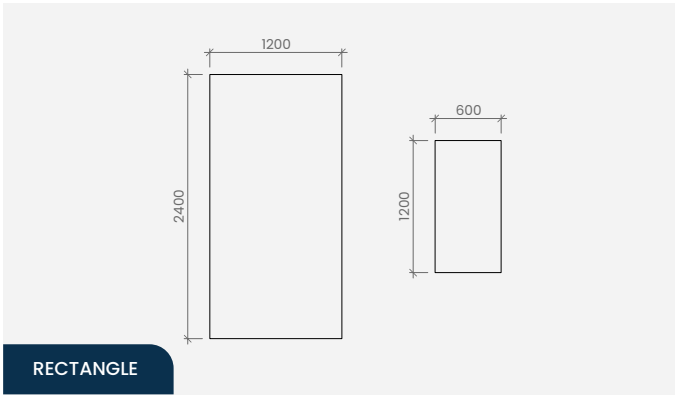
SQUARE



HEXAGON



TRIANGLE



RECTANGLE

PRODUCT	ARTICLE	DIMENSION	THICKNESS
Circle	03CTTRA-CIR000	Dimensions shown above	40mm
Hexagon	03CTTRA-HEX000	Dimensions shown above	40mm
Rectangle	03CTTRA-REC000	Dimensions shown above	40mm
Right Angle	03CTTRA-RAE000	Dimensions shown above	40mm
Square	03CTTRA-SQU000	Dimensions shown above	40mm
Triangle	03CTTRA-TRI000	Dimensions shown above	40mm

MATERIAL INFORMATION

COMPOSITION:	Glasswool Core/Fabric Faced
FIRE RATING CORE:	BS 478: PART 6: 1989+A1:2009 (17.4)
FABRIC: FIRE RATING - On Request	BS 478: PART 7: 1997 Class 1, Class 0 Core
DENSITY:	4.0kg/m^2
ACOUSTICS:	Class A Absorber

*Our Ambiance Products have a cutting tolerance of 10%

FINISHES

Tranquil is finished in industry leading fabrics. The selection has different textures and colours that would compliment any interior space and concept.
See finishes on the following links:

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.

Tranquil ceiling rafts can be installed using the following method:

AMBIANCE RAFT SPIRAL

DESIGN TIPS

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

1. Determine the size and shape of the rafts based on the room dimensions and acoustic requirements. Larger rafts generally provide more surface area for sound absorption.
2. Experiment with various shapes such as rectangular, square, or even irregular shapes to add visual interest while maintaining acoustic performance.
3. Explore different fabric finishes to match the overall design scheme of the space.
4. Keep in mind that lighter colours tend to reflect more light, making the space feel brighter, while darker colours can add depth and contrast.
5. Design the rafts for easy accessibility if maintenance or adjustments are needed in the future. Incorporate access panels or removable sections where necessary.

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.

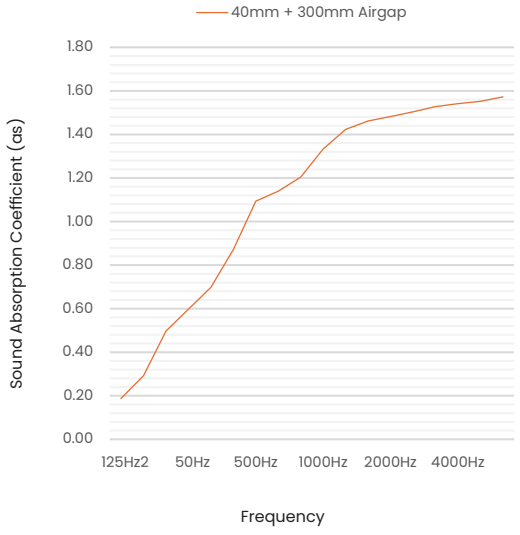
TESTING STANDARDS

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 ETCH	aw	NRC	CLASS
40mm + 300mm Airgap	1.00(MH)	1.20	A

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
40mm + 300mm Airgap	0.30	0.70	1.15	1.40	1.50	1.55



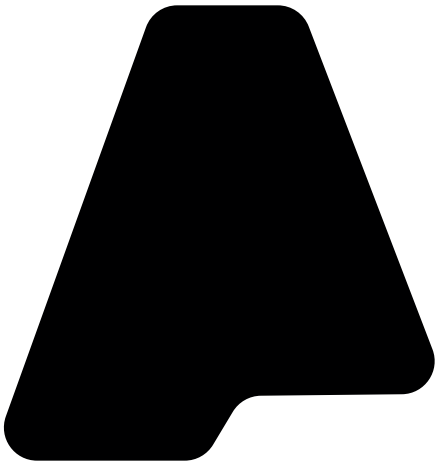
Weighted Sound Absorption Coefficient (aw) - Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

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.

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.



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