

SUPERTEC

Ceilings & Board



ACOUSTIC CLOUDS & SHAPES

Product Guide

ACOUSTIC CLOUDS & SHAPES

Description

Acoustic clouds & shapes are the ultimate tool for design freedom. Positioning panels at various angles or clusters offers limitless design flexibility. Using different colors, shapes, sizes and incorporating lighting creates a unique ceiling feature. Hanging panels are perfect for the combination of aesthetics and acoustics to increase sound absorption and noise diffusion in any space.

Application

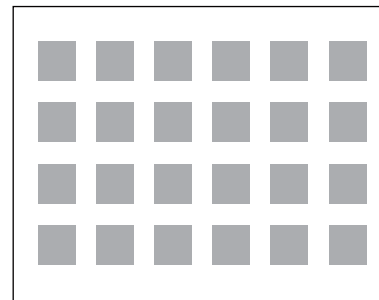
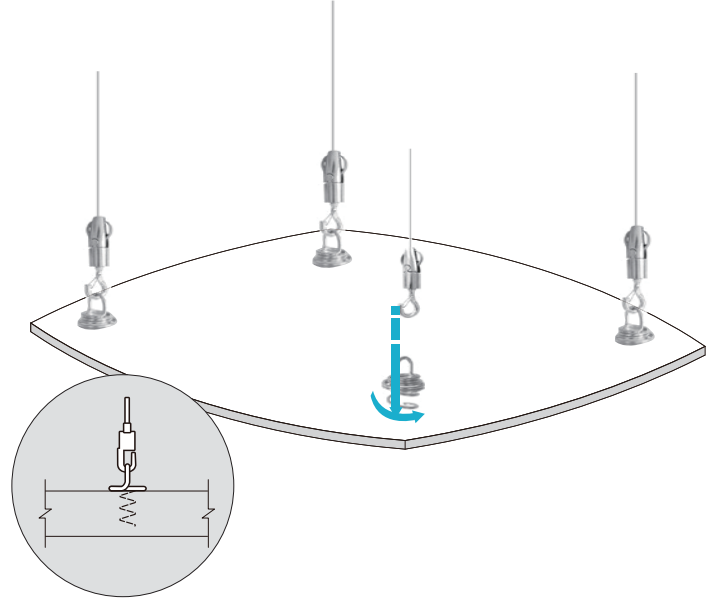
Acoustic suspension panels are effectively used in schools, universities, open plan offices, cinemas, auditoriums, leisure and retail centres to provide a high level of sound absorption.

The panels can be installed in new spaces or used in retrofitted workspaces.

This concept takes the interaction between the space, the people and the activity to a new acoustic and aesthetic experience.

Productivity

A calm and peaceful work environment is a significant factor for improving employee performance. Acoustic clouds and shapes can reduce unwanted noise, resulting in less distraction, clearer communication and maximum productivity.



Visible Exposed Structure 40% minimum and 60% maximum. The acoustic performance is NRC 0.9





Application

- Auditoriums
- Educational Venues
- Health Care Facilities
- Sports Venues
- Restaurants
- Offices
- Public Spaces
- Art Galleries
- Religious Institutions

Hanging panels not only allow one to achieve excellent acoustic results but also superb visual characteristics.

The acoustic panels are available in a wide range of sizes and shapes and is a high density 40mm thick glass fiber acoustic core board.

It can be manufactured up to a size of 2700mm x 1200mm.

This is fire rated as Class O to BS476: Part 6.



Description

- Material: Fiberglass wool
- Clour: White (WH)
- Edge: Painted on edges

Benefits

- Reduces excess noise to help create a more productive work environment in open spaces
- Frameless panels with fully painted edges enable two-sided sound absorption
- Create a multitude of contemporary looks with three different edge treatments (straight, wave & zig zag)
- Highly engineered EXsound™ surface in white finish has perfect light diffusion (+99%)
- Clouds are demountable
- Available in various colors

Features

- Free-hanging
- Modern frameless panel
- Light refraction LR0.83
- Moisture resistance RH99
- Antibacterial
- 100% sag resistance
- Sound absorption NRC0.9
- Easy installation
- Single or group installation

Maintenance

The clouds can be cleaned using a vacuum cleaner. Any slight dirt marks may be cleaned with a damp cloth or wetwipe.

Physical Data

MATERIAL: High density glass fiber Wool panels

DENSITY: 100kg/m³

COLOUR: Various Colours

FIRE CLASS: (ASTM E1264)

All are Class A2 per CN

Flame Spread: 25 or less

Smoke Developed: 50 or less

SOUND ABSORPTION: NRC 0.9

MOISTURE RESISTANCE: RH99

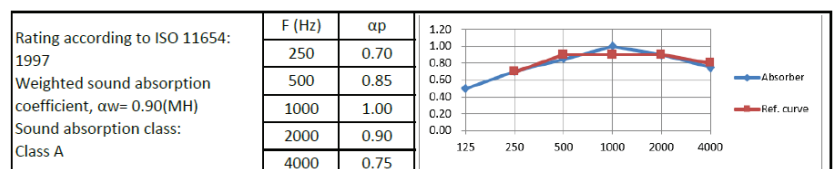
LIGHT REFRACTIVE : 0.83 (LR)

MOLD/MILDEW RESISTANCE: Fiberglass substrate is resistant to the growth of mold and mildew.

Asbestos-free

RECOVERABLE: 71%

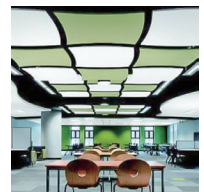
WARRANTY: 12 Years





Customization

More customized solutions.
Color, shape and sizes



Colour Possibilities

The wide application of color and texture is in line with the current interior design trends and directions. Through the combination of different tones, it presents an infinite creative ability to design a comfortable space.



Colour Range

Smooth surface NRC 0.8+ and CAC 35+



NRC 0.8+ and CAC 35+





SAG RESISTANT



MOLD/MILDEW RESISTANT



LR 0.85



CLEANABLE



EPD AVAILABLE



EMISSION COMPLIANT CERTIFIED



RECYCLED CONTENT 71%



Easy Installation

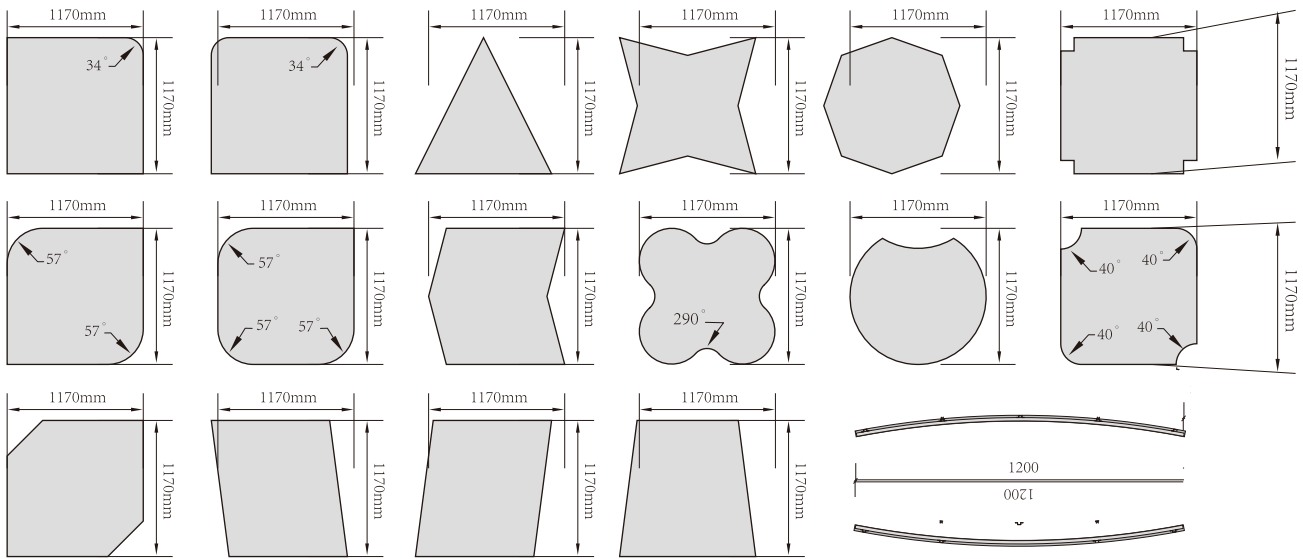
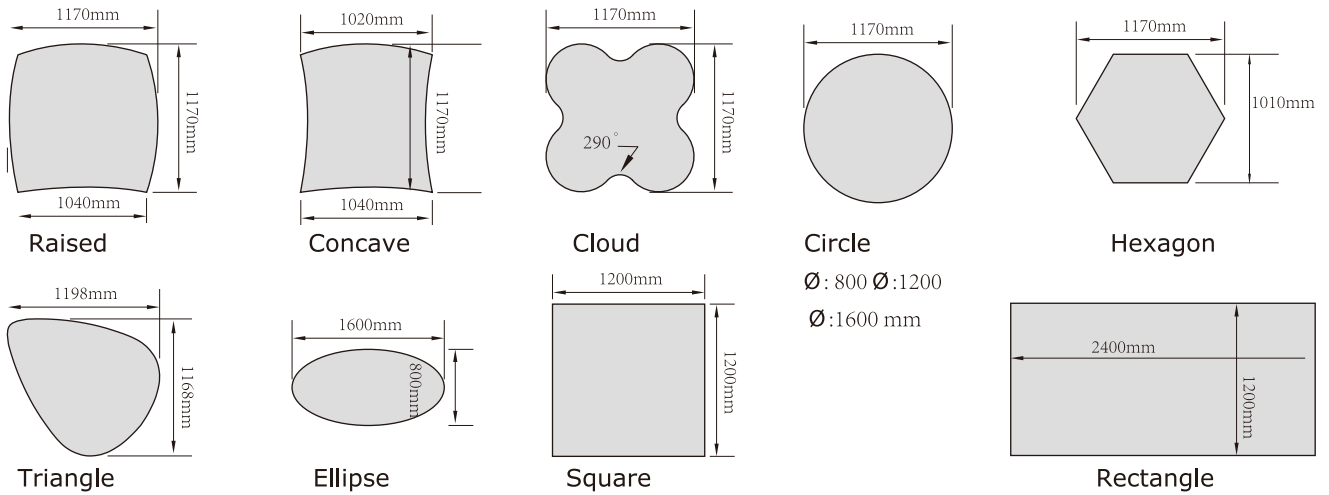
- Suitable for areas where suspended ceilings cannot be applied
- Installed directly on exposed concrete soffit
- Special spring screw anchor fittings, easy to install
- Combine different floor heights
- Group or separate install

TYPE	SIZE (mm)	PACKAGE(pcs/box)	WEIGHT	SYSTEMS
	1200×1200×30/40/50	4/pcs	4.9kg/product	1 scable adjustors, 2m hanging wire, 1 hooks RL 3920 - 4x hanging wires - 4x cable adjustors - 4x cable finishing hooks *Suspension kit ordered separately
	1200×2400×30/40/50	6/pcs	4.5 kg/product	
	1200×2700×30/40/50	4/pcs	4.5 kg/product	
	*Other Size Custom	4/pcs	4.5 kg/product	

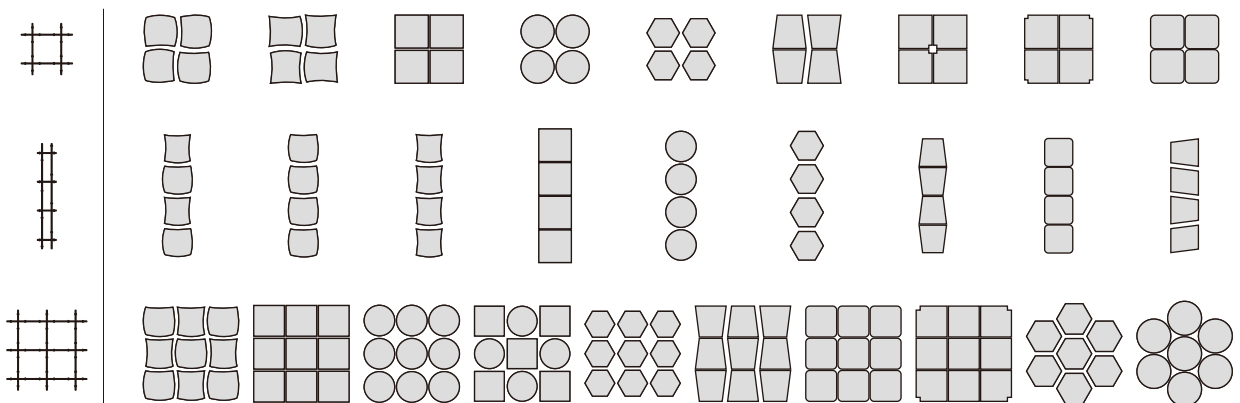


Shapes

The acoustic panels are available in various shapes and sizes that range from the simplest of forms to the most modern geometrics. Custom manufactured unique flat, pre-curved, and shaped acoustical panels to meet project specific designs and requirements. The rafts can be hung individually or in innovative groups to create your own unique design.



Grouping Ideas



Installation



Spring Mounted Hanger Kit

Innovative "coil spring fixed hanger" kit for simple mounting.

The spring anchor is simply installed by twisting clockwise into the panel.

Each coil spring anchor is equipped with 2 metres hanging wire, adjuster and fixed expansion bolt.

Easy Installation

This simple component allows the installer to efficiently install anchor points on the panel back. Utilizing a locator template, the spiral spring anchor hanger is installed by simply twisting clockwise into the panel body. The minimum distance between each cloud is 50mm and the lowest layer height is 120mm. The inclination angle should not be greater than 45 degrees .

Accessories



Adjustable Wire Hanger
Wire Length: 2000 mm

For suspension of acoustic panels



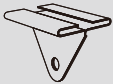
Adjustable Anchor Spring

For suspension of acoustic panels



Ceiling Grid

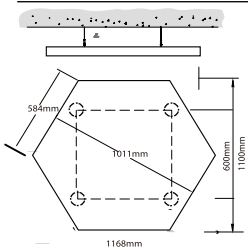
For attaching shapes anchor products to the structure



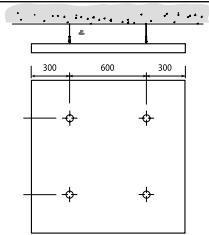
Connecting Clip

For attaching Solo Baffle Hook panels to accoustical ceiling grid

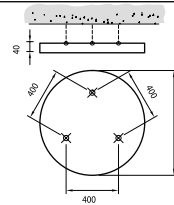
Available Shapes



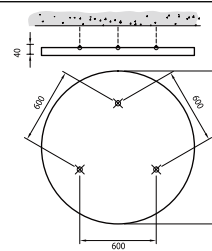
Hexagon
1200 x 1200 x 40mm



Square
1200 x 1200 x 40mm

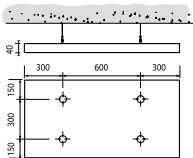


Small Circle
Ø 800 x 40mm

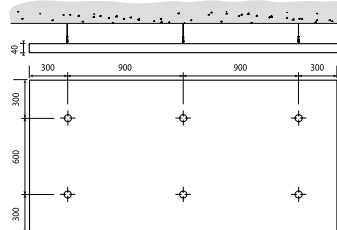


Circle
Ø 1200 x 40mm

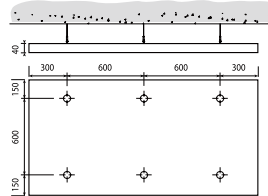
Square: 4.9 kg/pc
Convex: 4.5 kg/pc
Concave, Circle: 3.9 kg/pc
Hexagon: 3.2 kg/pc
Trapezoid, Left Parallelogram,
Right Parallelogram: 4.3 kg/pc
Small Rectangle: 7.5 kg/pc
Large Rectangle: 10.1 kg/pc



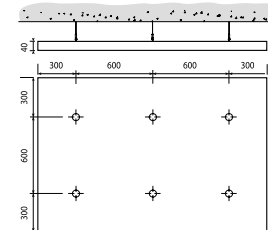
Small Rectangle
600 x 1200 x 40mm



Large Rectangle
1200 x 2400 x 40mm



Medium Rectangle A
900 x 1800 x 40mm



Medium Rectangle B
1200 x 1800 x 40mm



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