

# Acoustic Ceiling Rafts



PanelHush Acoustic Ceiling Rafts are a PET (Polyethylene terephthalate) materials and acoustic panels are effective in reducing room echo and reverberation by absorbing sound waves that bounce off hard surfaces such as walls, floors, and ceilings.

PET materials are often used as a core material in acoustic panels because they are lightweight and have good acoustic properties. PET materials are made from recycled plastic bottles, making them an eco-friendly option for acoustic treatment.

Acoustic panels work by absorbing sound waves that hit their surface. When sound waves hit a hard surface, they bounce back and forth, creating an echo and increasing reverberation in the room. This can make it difficult to hear speech clearly and can create an unpleasant listening environment. When acoustic panels are installed, the sound waves hit the panels and are absorbed, reducing the amount of sound that bounces back and reducing the amount of echo and reverberation in the room.

The effectiveness of PET materials and acoustic panels in reducing room echo and reverberation depends on the placement and quantity of panels used. It is important to consult with a professional acoustic consultant to determine the appropriate amount and placement of panels for the specific room and intended use.

In summary, PET materials and acoustic panels work by absorbing sound waves that bounce off hard surfaces, reducing the amount of echo and reverberation in a room, and creating a more pleasant and effective listening environment.

The acoustic panel range being available in 24mm thickness indicates that it is designed to absorb a wide range of frequencies. This thickness is commonly used in acoustic panels and can provide a good balance of absorption across the frequency spectrum.

In addition to the thickness and density, the color of the acoustic panel can also play a role in its use. Different colors can be used to match the aesthetic of a room or to create a specific design or pattern. Offering the panels in 17 different colors provides a wide range of options to match different design schemes.







## Acoustic Performance & Technical

Acoustic Absorber -PET Acoustic Raft - 24mm							
Frequency (Hz)	125	250	500	1000	2000	4000	NRC
PanelHush Raft 24mm	0.45	0.85	1.00	1.00	1.00	1.00	1.00



### FIRE

PanelHush acoustic wall panels have been tested to EN 13501-1:2007+A1:2009 Fire classification of building products and building elements - Part 1: Classification using fire test reaction data, class B.



### WEIGHT

PanelHush Wall Raft weighs in at 4.5kg/m².



### CLEANING

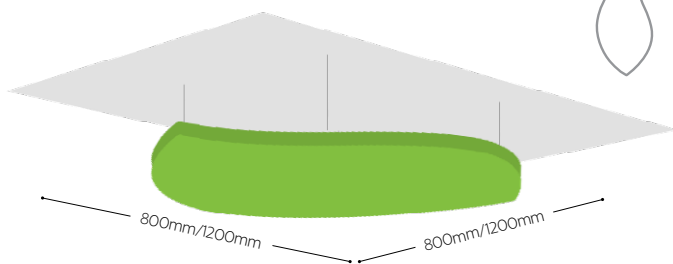
Light dirt can be removed with a damp cloth. A small area should be tested before treating the rest to ensure the finish is not affected.



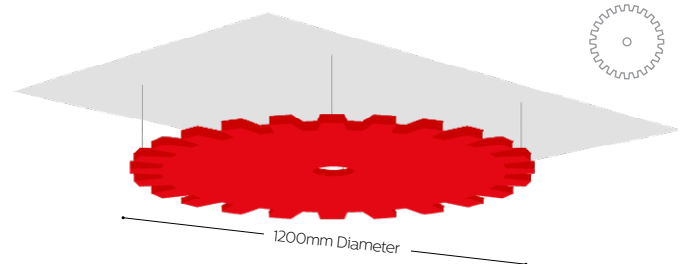
# Designs



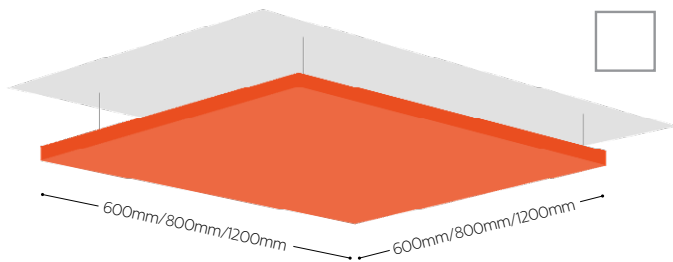
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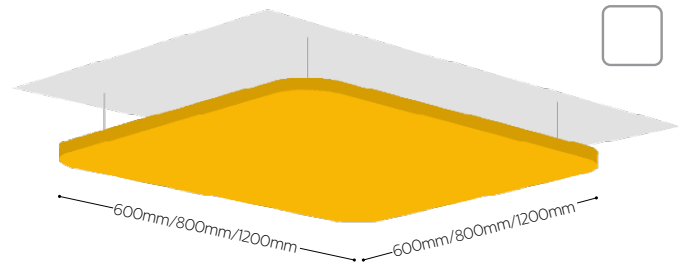
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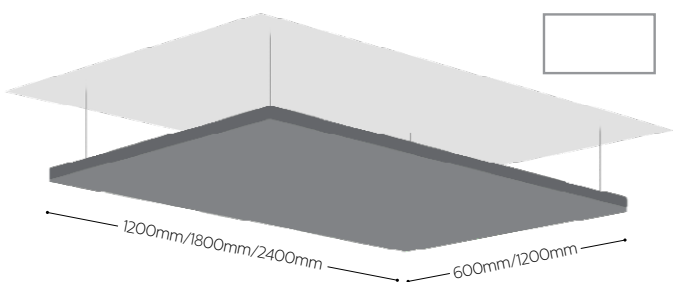
SQUARES



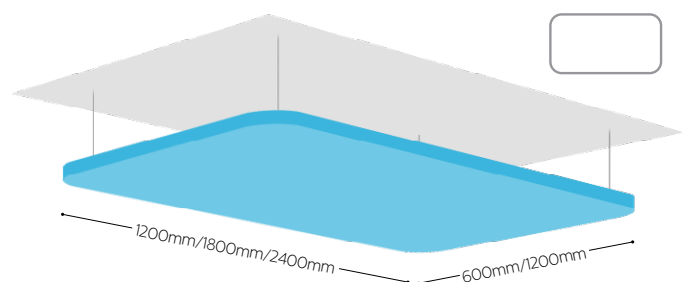
SOFT SQUARES



RECTANGLES

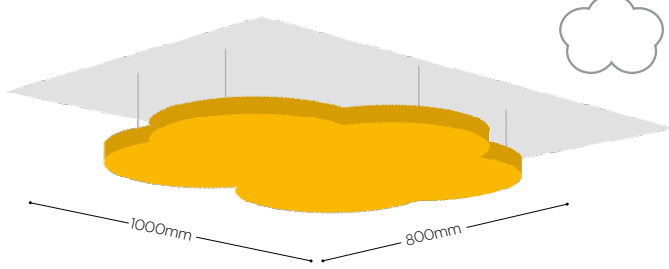


SOFT RECTANGLES

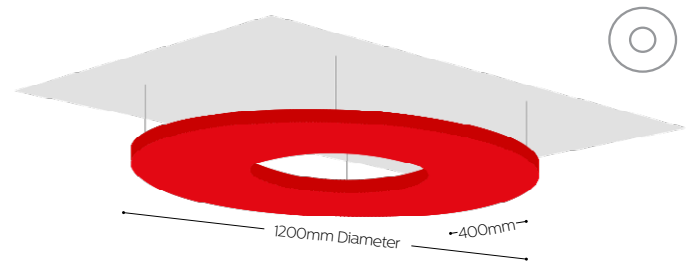


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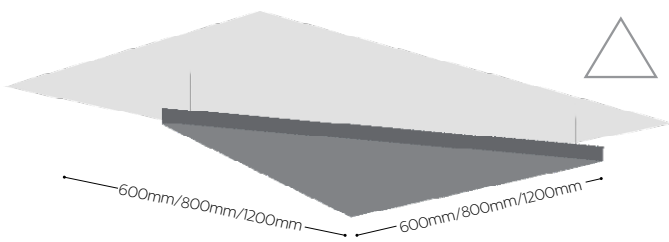
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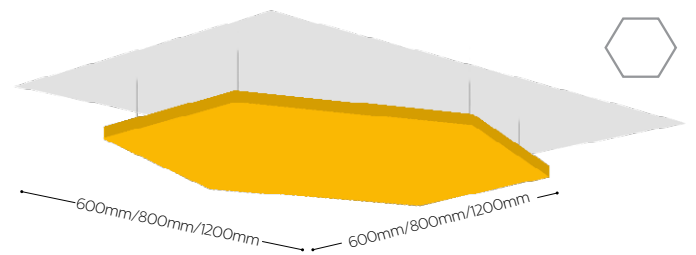
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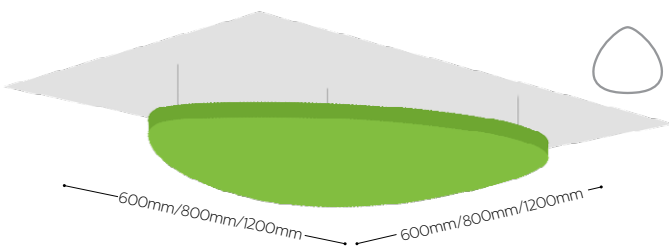
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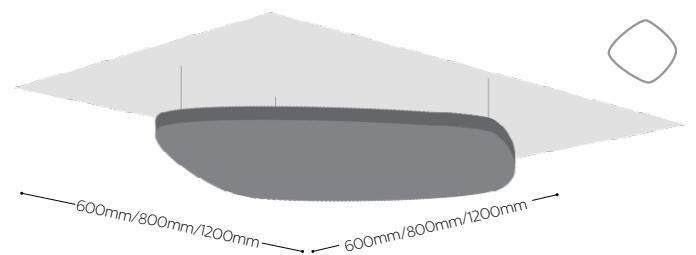
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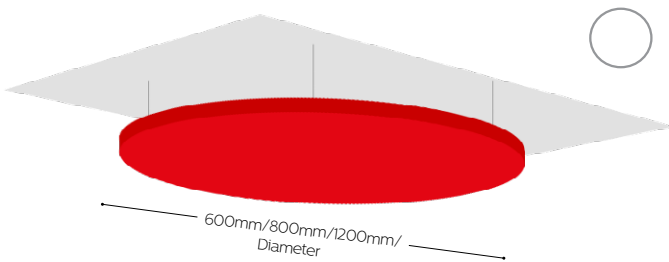
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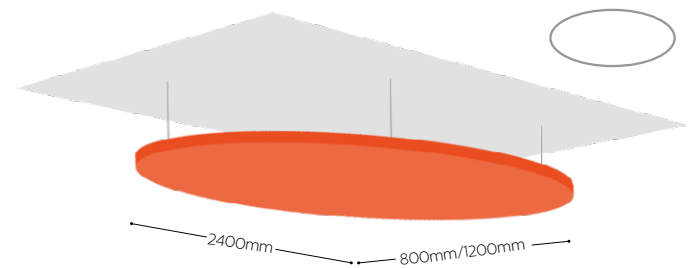
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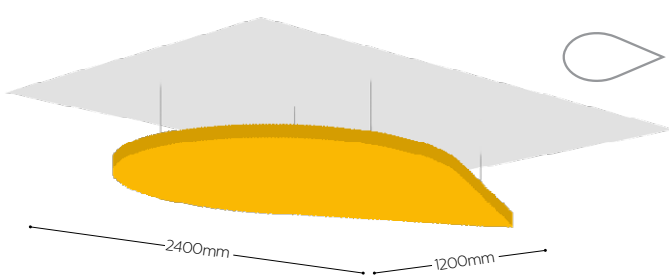
CIRCLES



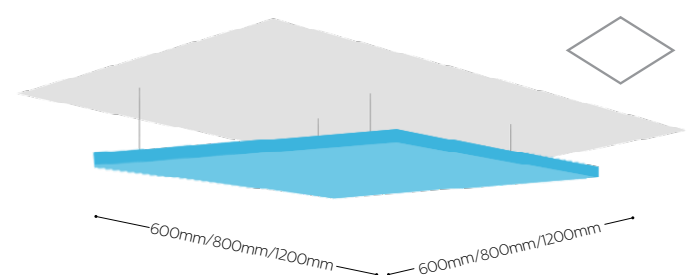
ELLIPSES



DROP



DIAMONDS





# PanelHush PET Panel Finishes



**PANELHUSH**

KEEPING IT QUIET