

PhonoClip®

Product Datasheet

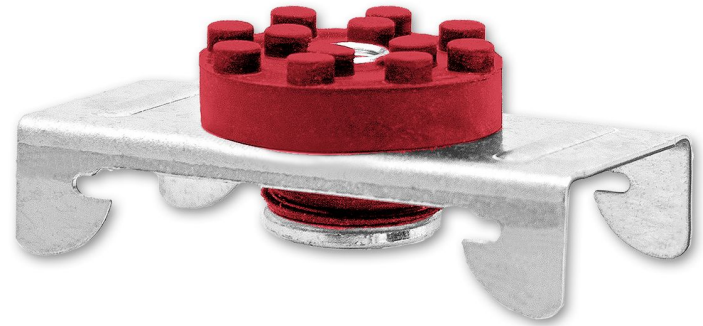
PhonoClip® is a high performance, yet extremely cost effective sound reduction system. Designed to isolate walls and ceilings from the construction over a range of frequencies, therefore stopping vibrations from passing the clip, whilst creating a stable and secure construction.

PhonoClip® design is especially attractive as it requires just a single fixing per clip, therefore minimising contact with the existing construction but also easing installation requirements. Additionally the single fixing point drastically reduces the “risk of error” as the fixing is clearly visible, therefore ensuring a consist acoustical performance throughout.

In cases where the project is space sensitive, the **PhonoClip®** and associated **Furring Channel** are a must buy, taking just 41mm from the project. Not only does the clips low profile design allow for tight installations, but the slimline clip doesn't trade off it's load bearing for that benefit. Allowing 16.4kg load per **PhonoClip®** is one of the strongest on the market if not the best, whilst being one of the slimmest. With a design load rating of 16.4kg per clip, the **PhonoClip®** can support up to two layers of 15mm gypsum board.

The **PhonoClip®** has been approved and tested for use with wood, steel or concrete applications where noise control is required. Including, wood framed, steel framed, or concrete wall and or ceiling systems. The **PhonoClip®** design decouples the gypsum board from the construction, giving the project enhanced acoustical performance.

High performance, versatile acoustic isolation system.



PART E - PCT SOLUTION



Key Features



Excellent airborne sound reduction



16.4kg load per PhonoClip®



Isolate walls and ceilings



Low profile buildup for minimal space loss



Quick and easy to install



Sourced in the UK

Product	Rw	RW+Ctr	Weight	Max Load	Box Quantity
PhonoClip® 76 x 35 x 29mm	54dB	47dB	60g	16.4kg	100

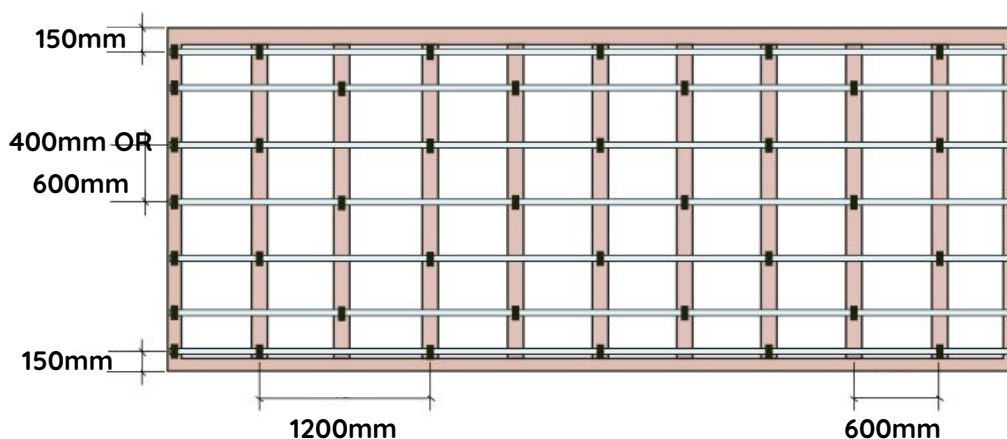
Values quoted are typical and based on the treatment being installed corrected and pre-completion tested (PCT)



Installation Guide

1. Position the **PhonoClip®** on the surface with the hooks facing outwards and the bulk on the rubber on the inner surface touching the structural fabric of the building.
2. Whilst locating the **PhonoClip®** on the desired surface, mark out and drill your hole.
3. Screw **PhonoClip®** into position through the single entry point.
4. The clips at the bottom row and top row should be more than 150mm of the floor. But instead between 75mm and 150mm (MAX).
5. The clips between should be placed at a maximum of 800 - 1200mm horizontally (800mm for ceilings and 1200mm for walls) and 400 - 600mm vertically (400mm for ceiling and high load bearing walls and 600mm for usual load bearing walls) thereby creating a diamond layout (As per the diagram below).
6. Once fixed you should then place mineral wool between the stud cavities to fill approximately 70 - 80% of the depth. This is to avoid any potential compression and to create an air gap.
7. Then attach the **PhonoClip® Furring Channel** into the **PhonoClip®**
8. Fix the **PhonoBoard®** onto the **PhonoClip® Furring Channel** keeping a 5mm space around the perimeter to reduce flanking noise.
9. Simply seal the 5mm perimeter gap using **PhonoSeal®** acoustic sealant.
10. If desired fix another layer of **PhonoBoard®** into the **PhonoClip® Furring Channel** keeping a 5mm space around the perimeter to reduce flanking noise. Staggering the boards from the existing board to ensure screws do not hit the previous layer.
11. Again simply seal the 5mm perimeter gap using **PhonoSeal®** acoustic sealant and any other gaps.
12. Use scrim tape over the joints and plaster accordingly.

Recommendation: The PhonoClip® should be set at 400mm x 1200mm





Isolation Clip - PhonoClip® Technical Detail

