

# HUSH BAR ENHANCED RESILIENT CLIP AND BAR SYSTEM

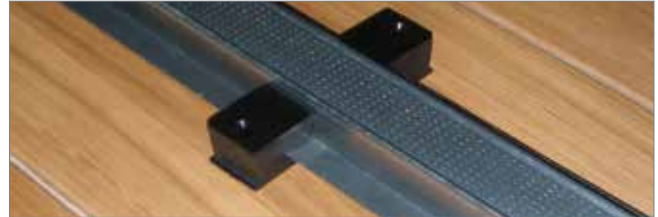


**HUSH BAR ENHANCED IS AN ACOUSTIC ISOLATION SYSTEM FOR CEILINGS AND WALLS THAT COMPLETELY DE-COUPLES THE WALL AND CEILING LININGS AND EFFECTIVELY DELIVERS THE “ROOM WITHIN A ROOM” CONCEPT OFTEN REFERRED TO BY ACOUSTIC CONSULTANTS.**

It dramatically reduces both airborne and impact noise transfer between adjacent rooms typically producing an additional 5 to 6 dB improvement on some resilient bar systems.

The system has been designed to be flexible, simple and easy to install. It is a 2 part system as opposed to some of the more complex multi-part systems often used where acoustic isolation/decoupling is required.

Hush Bar Enhanced is appropriate for all building types from residential properties to large commercial developments and is equally suited for any new build, change of use or refurbishment project. It is also suitable for fitting onto timber and metal stud walls, concrete soffits, and timber joists on ceilings.



The Hush Bar Enhanced damping clips ensure total isolation but also as they are fixed from both sides they ensure a much greater load bearing capacity than most standard systems – up to 80 kgs per m<sup>2</sup>. (please check with Hush Acoustics Technical Team regarding loading information).

## BACKGROUND

Traditional “resilient bar” systems provide acoustic isolation for plasterboard walls and ceilings by use of a vibration absorbing steel channel which is fixed onto timber/metal studs on walls or onto timber ceiling joists. Typically these systems are fixed along one edge, allowing the other free edge to flex and negates sound vibrations. Resilient bars attempt to create an acoustic break between the floor joist and the plasterboard ceiling or the timber/metal wall studding and the plasterboard.

To operate correctly these traditional resilient bars/channels need to be highly flexible, if they are too rigid they cannot effectively dampen sound/vibrations. The requirement for flexibility has an obvious effect on their load bearing capabilities. Also being fixed on one side they are not completely isolated from the studwork or joists.

The aforementioned problems are removed when the Hush Bar Enhanced Resilient Clip and Bar System is used.

Good resilient bar systems claim to deliver a 17 dB improvement over standard dry lining solutions. Resilient bar systems are often the only practical option where soundproofing a ceiling when constrained by height issues, as they typically only add an inch on to the original ceiling depth.

## FEATURES

- ✓ Simple - so installation costs are low.
- ✓ Effective - additional 5-6 dB performance on traditional resilient bar ca. 23dB improvement.
- ✓ Fool-proof - 2 Part as opposed to multi part system.
- ✓ Strong - superior load bearing capacity.

## ACOUSTIC PERFORMANCE

Hush Bar Enhanced helps to ensure compliance with Document E (England & Wales), Section 5 of the Scottish Building Standards (Scotland) and Part G (Northern Ireland). By de-coupling the internal lining system with Hush Bar Enhanced the acoustic performance can be enhanced by more than 23 dB on standard systems and 5 to 6 dB on some existing resilient bar systems.

## INSTALLATION

For full installation instructions please refer to our separate installation data sheet.

**Please contact our sales support team on 0151 933 2026.**

## HUSH ACOUSTICS

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