

# SINGLE METAL STUD WALL



## SPECIFICATION

- Construct a single frame of 92mm/94mm metal stud and track. Ensure the stud and track is isolated from the floor and ceiling structure using the Hush Heavy Duty Isolation Tape.
- Insulate within the stud using the Hush Slab 100 Sound Absorber. Ensure the Hush Slab is installed tightly within the stud frame.
- Install the Hush Bar Deep Resilient Bars to one side of the stud frame.
- Face both sides of the wall with two layers of 15mm Soundbloc Plasterboards. Ensure the plasterboard fixings attaching the Soundbloc to the Hush Deep Resilient Bars do not penetrate through to the stud work. Ensure the perimeters of the plasterboards are sealed with the Hush Acoustic Sealant.

## FEATURES

- ✓ Complies to UK Building Regulations Approved Document E (England & Wales), Section 5 (Scotland) and Part G (Northern Ireland)
- ✓ Can be used in new build, conversion and refurbishment developments
- ✓ A tried and tested method of creating a separating lightweight stud wall
- ✓ Excellent acoustic performance levels for a single stud wall construction due to the performance of the Hush Deep Resilient Bar
- ✓ Provides a 1 hour fire resistance

## ACOUSTIC PERFORMANCE

Airborne $D_{nT,w}$ dB	Airborne $D_{nT,w} + C_{tr}$ dB
55	49

Results based on all Hush materials listed in the Hush System HD1053 data sheet being used. Results are also based on correct installation and all flanking paths being treated.

## BUILDING REGULATIONS STATEMENT

- Approved Document E (England & Wales) incorporates a unit of measurement to determine low frequency airborne sound transmission. Due to proven intrinsic difficulties of measuring low frequency sound, in domestic sized rooms, it must be expected that there could be significant deviations in the accuracy of these measurements.
- There will be variations in measurements from site to site in all UK Building Regulations whether it be Document E (England & Wales), Section 5 (Scotland) or Part G (Northern Ireland). These variations are caused by structural differences in buildings, general site conditions and workmanship.
- All these factors can influence the repeatability of both impact and airborne acoustic test results. Therefore, any test results must be considered as an indication only and no warranty can be given or implied as to the actual acoustic performance in any particular situation.

## HUSH ACOUSTICS

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