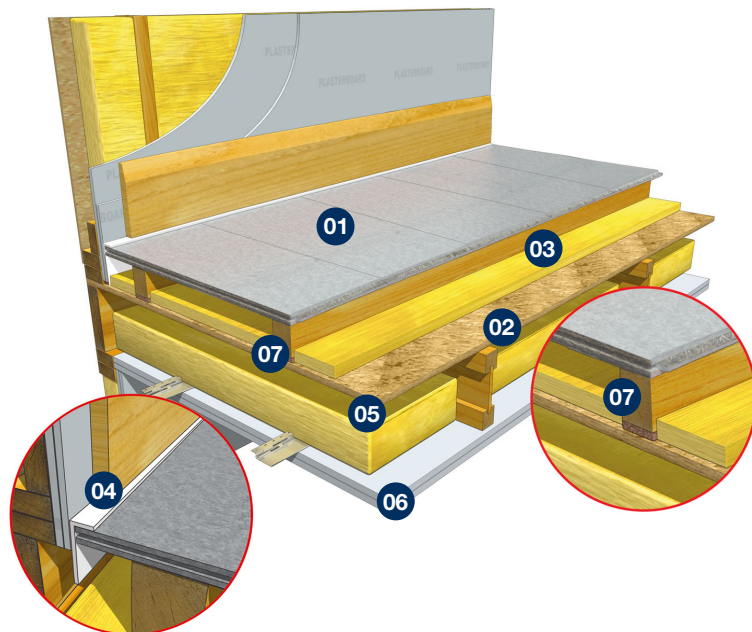# JCW 80T Batten & Soundboard One

TIMBER FLOOR DEEP BATTEN SYSTEM

01 18mm (min) JCW Soundboard One

02 Timber sub-deck - as relevant Robust Detail.

03 25mm Mineral Wool Insulation

04 5mm JCW Perimeter Edging Strip to the whole of the Flooring Perimeter detail

05 100mm Mineral wool insulation as per Relevant Robust Detail

06 Ceiling Treatment as Relevant Robust Detail

07 JCW 80T Acoustic Batten

Product Code: JCW 80T - 1473   JCW Soundboard One 18mm - 1249 & 22mm -1250

Robust Details Appendix A3 Resilient Composite Deep Batten System

Timber batten laminated to a 9mm acoustic resilient layer

Robust Detail (Registered Sites)

- Verified independent UKAS accredited laboratory test data that meets the Robust Detail requirements. Pre-completion testing is not required
- Acoustic Batten JCW 80T = Appendix A3 Floating Floor Types: E-FT-1 & 3 & E-FS-2 (Refer to Robust Details Handbook for full specification)

PCT/PT & Refurbishment

- Verified independent UKAS accredited laboratory test data is based on the floor structure illustrated above
- It is essential all components are correctly installed and detailed to meet the requirements where Pre-completion Sound Testing is required

Size & Weights: **JCW 80T** - 80mm x 42mm x 1800mm : 2.9 KG - **JCW Soundboard One**-18/22mm x 1200mm x 600mm **:** 18 / 21 KG

Robust Detail Performance: Reduction in Impact Sound transmission; rd Δ Lw = 15 dB

Improvement in Airborne Sound insulation; rd Δ Rw + Ctr = 13 dB

Tests were carried out by Sound Research Laboratories, UKAS accredited test laboratory No. 0444 on the 19th March 2024. Test Report No. 81743-SRL-RP-XT-001-P1

JCW 80T & Soundboard One are fully compliant with Building Regulations Approved Document E

Method of Compliance
Robust Detail, PCT/PT (Scotland)

Ancillary Products
1130 JCW Flat Edging Strip (50 Lm x 150mm x 5mm) or
1170 JCW Universal L Shaped Strip (2 Lm x 53mm x 23mm)
1196 Approved Adhesive (1 Litre)
1027 JCW Acoustic Sealant (310ml)

Preparation

Ensure the building is watertight and completely dried out before installing the floor.

JCW Acoustic Battens should only be installed when conditioned to their environment and ideally their moisture content should be the same as can be expected when in service.

JCW Acoustic Battens 80T are designed for installation onto flat sub-floors of Timber construction. (Note: If existing floors are not flat the alternative is to use JCW Acoustic Cradles & Packers to enable batten levelling). The purpose of the flooring system is the reduction of sound and is not intended to provide additional structural support or thermal insulation.

The capacity of existing joists to carry the weight of JCW Acoustic Battens and associated panels must be checked prior to installation.

Any decking on which JCW Acoustic Battens are to be laid should be flat and dry.

To reduce airborne sound it is vital to block any air passage in the structural floor, at the perimeter of the floor and wherever the floor is penetrated.

Only an appropriate acoustic sealant should be used to seal perimeter gaps in order to maintain the acoustic integrity of the structure.

Any flooring components exposed to wet conditions such as ingress of rain or plumbing leaks should be discarded and replaced.

Please note that we strongly recommend that all drylining and skimming works are carried out prior to installing our acoustic floor.

This sequencing reduces the risk of the acoustic floating floor being damaged as a result of overloading with pallets of plasterboard.

Services

The provision of access to services is most successful if the location of services is detailed at an early stage.

Services should be kept at least 150mm away from walls and door-ways to allow for perimeter support battens.

We recommend a gap of around 20mm is allowed above the height of the services to cater for clearance and deflection of the resilient layer.

Step by step guide:

1. Sweep floor clear of debris
2. Position JCW Perimeter Edging Strip at the base of all perimeter walls (this will be trapped in place by the Soundboard One flooring sheets).
3. Lay a continuous run of JCW Acoustic Battens, foam side down, around the floor perimeter, leaving a 50mm gap between the battens and the walls.
4. JCW Acoustic Battens are laid, foam side down, at maximum 400mm centres for 18mm Soundboard One and maximum 600mm centres for 22mm Soundboard One. Lightweight internal partitions can be erected directly on to the finished floor – but the layout must be carefully planned to provide double battens under the partition. For areas of Heavy Loading (such as kitchens and bathrooms batten centres should be reduced to 300mm centres to provide additional support
5. Lay 25mm mineral wool quilt between the battens
6. An additional bead of JCW Approved Adhesive can be applied to the top surface of the JCW 80T batten if required to bond the Soundboard One sheets to the batten.
7. Lay the Soundboard One flooring sheets with the long edge across the battens. Short joints should be staggered and supported by extra sections of batten. To ensure tight jointing, each tongue and groove is glued with JCW Approved Adhesive.
8. Remove tongues and grooves from Soundboard One flooring sheets at the perimeter to ensure that only square cut edges butt up to the JCW Perimeter Edging Strip
9. Ensure any unavoidable gaps are filled with JCW Acoustic Sealant
10. The JCW Perimeter Edging Strip is folded over the Soundboard One Flooring and trapped under the skirting board – the excess is then trimmed to finish flush to the skirting board
11. The completed floor should not be walked on for at least 48 hours to ensure the adhesive has fully cured.
12. JCW Acoustic Supplies may be able to provide advice on the suitability of final floor finishes however it is ultimately the responsibilty of the relevant contractors to consult and confirm this with the relevant manufacturer.

Threshold Detail
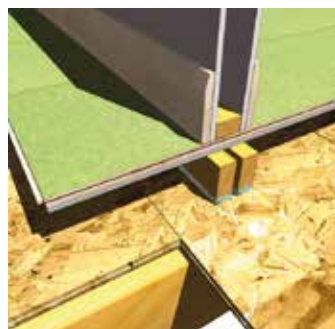
Support of Non-Load Bearing Partitions

Internal Wall Junction (Loadbearing)

Internal Wall Junction Loadbearing (Rip Liner alternative detail)

Floor Loadings

JCW Acoustic Battens fully comply with BS6399-1 for commercial floor loadings; 4kN per m2 uniformly distributed load