

SoundDown PAB Acoustic Floor System

Specification Guide

Version 1.0 October 2023

1. General

1.1 General

This specification relates to the installation of the SoundDown PAB Acoustic Floor System.

The SoundDown PAB Acoustic Floor System (the system) comprises

- The SoundDown pre-assembled batten (PAB)
- Mammoth acoustic 735 insulation
- Maglok Dragonboard (20) mm or OSB (20 mm) flooring.

1.2 Related work

The acoustic performance requires that the installation of the system that relies on:

- the CLT floor that complies with the NZ Building Code,
- the building consent, construction drawings and fixings that reflects the SoundDown system as defined by SoundDown.

1.3 Documents

Refer to the following manufacturer's documents

- PAB BPIR declaration
- SoundDown Design & Installation Guide
- SoundDown CAD & Detailed Drawings

Refer to the following related documents

- AS/NZS1170:2021
- AS/NZS 1720:2022
- Installation guides for the balance of the related products.

1.4 General Design Considerations

The system must be specified in accordance with the current SoundDown Design & Installation Guide (the guide) and within the scope of the PAB BPIR declaration (the declaration). The guide and the declaration can be found at www.sounddown.co.nz and the latest version should always be used.

2. Products

2.1 Product Description

The SoundDown PAB battens, supplied by Build Anatomy are acoustic battens manufactured from LVL timber and recycled rubber isolation strips (46mm wide x 60 mm high). Larger dimensioned battens are available as a special order with consultation. Smaller dimensioned battens are not available.

2.2 Accessory Components

The following accessory components are required:

- Fixings 10g x 50 mm CSK Self-Tapping Screws, where subject to water splash or in wet areas use stainless steel (SS304 or SS316)
- Maglok Dragonboard (20 mm) or OSB (20 mm)
- Acoustic & Fire Sealant
- Mammoth Acoustic 735 Blanket
- Rondo Key-Lock Ceiling System with STPC Isolation mounts
- 13 mm GIB® Noiseline® or equivalent density plasterboard (960kg/m³)

2.3 Substitutions

Substitutions are not permitted to any of the specified components in this section.

3. Execution

3.1. Qualifications

The installation of the system must be carried out by or the installation supervised by a competent and experienced builder.

3.2. Restricted building work

Where Restricted Building work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by a LBP with the relevant license class.

3.3 Check related work

Confirm that the structural flooring (CLT) and suspended ceiling has been installed in accordance with the requirements of the SoundDown system.

4.0 Application

4.1 General

The installation of the system must be completed in accordance with the instructions in the guide, the relevant SoundDown details and the building consent documentation.

All conditions contained in the building consent documentation must be met.

4.2 Receipt of product

Ensure that all product supplied by Build Anatomy is

- Free of defect at the time of delivery, and
- Handled and stored in accordance with all Build Anatomy requirements

5.0 Completion

5.1 Flooring requirements

The SoundDown PAB acoustic flooring system does not specify flooring requirements other than in wet areas.

It is expected that the architect will specify the required floor finish.

5.2 Shower area installation

Where a shower is to be installed over a SoundDown PAB acoustic floor system confirm that the shower has been installed in accordance with the details supplied in the guide.

5.3 Confirm ceiling installation

Confirm that the ceiling has been installed in accordance with the SoundDown details and building consent.

5.4 Quality check

Check flooring and ceiling to ensure that all components have been installed correctly and finished in accordance with the applicable supplier's requirements.

5.5 Warranties

A 15 year manufacturer's warranty is available for the SoundDown PAB. Refer to www.sounddown.co.nz

5.6 Information on care and maintenance

The SoundDown PAB acoustic floor system does not require maintenance.