



Screedflo dB

Installation Guide





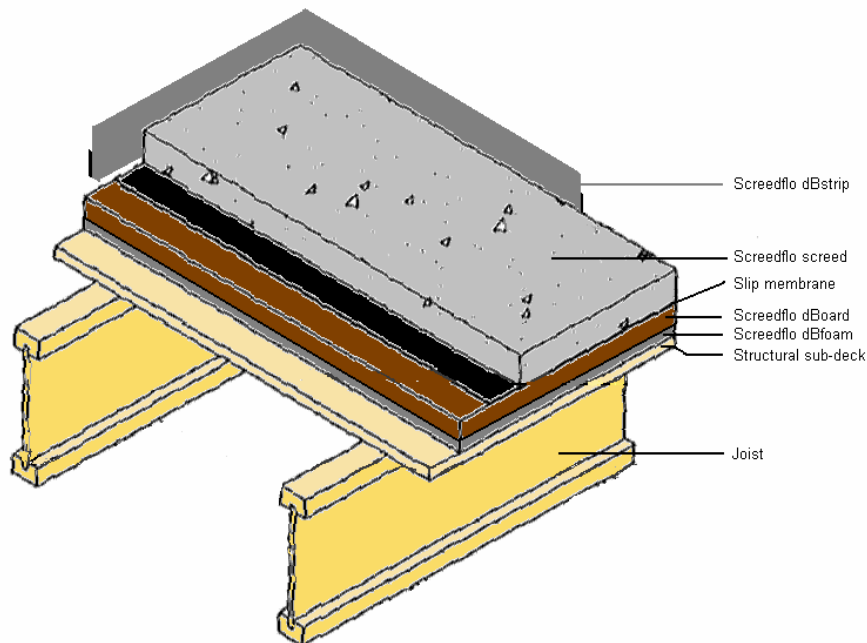
Introduction

The instructions contained within this document provide guidance on the correct procedures to be followed during the installation of the Screedflo dB acoustic floor system.

The Screedflo dB acoustic floor system consists of a number of layers, each of which has a specific role to play in the overall acoustic performance of the floor. Care must be taken at all stages of installation to ensure correct installation of each of the Screedflo dB elements, and in particular to ensure that only the dBstrip comes into contact with the Correx rip on the walls of the structure.

The Screedflo dB acoustic floor system consists of a number of elements:

- 1 Structural deck – Boise, Finnforest, James Jones or Posi-joists and structural sub-deck designed for use with Screedflo dB
- 2 Isolation layers – dBoard and dBstrip
- 3 Slip membrane
- 4 Screedflo anhydrite screed





Floor preparation

Before starting installation, ensure that the floor is clear of obstacles and has been thoroughly swept.

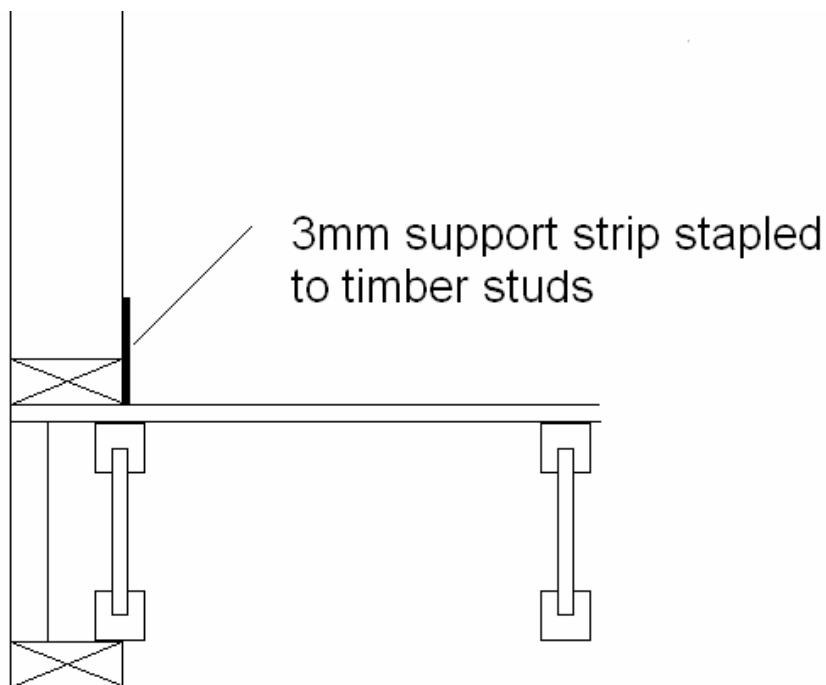
Check for any nails/screws protruding from anywhere on the timber frame or sub-deck. These should be removed as they will transmit sound through the system.

Lifting or other holes of greater than 50mm x 50mm required filled from the underside, to provide a flush upper surface.

Edgeboard

The Edgeboard is used to provide support to the dBStrip, when using timber frame construction. It's use is not required where there is at least 74mm height of support provided by additional timber chords or sheathing boards, or in masonry structures. Attach the strip to the face of the bottom chord of the timber frame, using staples.

The strip comes in strips of 2.4m x 74mm. Joints between strips should always be supported by the vertical timber studs.



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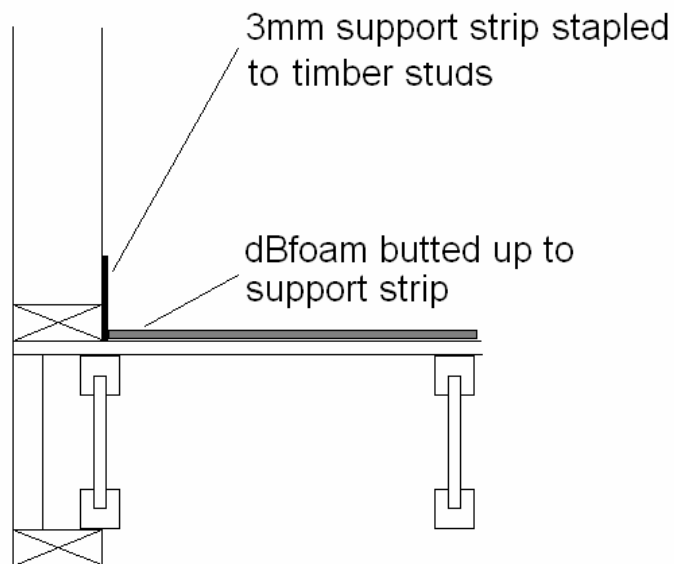


dBfoam

The dBfoam is used to separate the structural floor from the acoustic layer. It must not be broken or penetrated in any way, as this will allow noise to be transmitted between floors. It should not be stuck down other than with tape.

The dBfoam comes in rolls of 2m x 38m.

It should be cut to butt neatly up to the support strip. Each length should be butted up to the previous length, ensuring that there are no gaps between the edges. Care must be taken to cover the entire floor area.



dBstrip

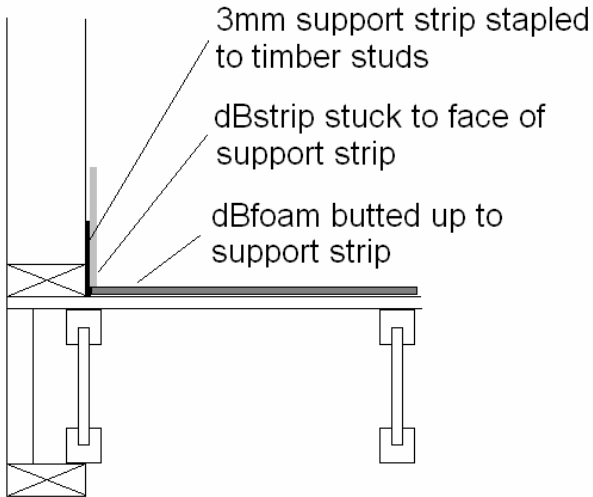
The dBStrip is used to isolate the Screedflo screed and dBoard from the wall structure. It must not be broken or penetrated in any way as this will allow sound to be transmitted between floors.

It must form a continuous strip around all walls, and must only be permanently attached to the support strip using the adhesive strip on the back of the dBStrip. If additional temporary fixing is required, staples or tape should be applied at the top edge only, and must not be placed below the expected finished screed level. Care should be taken to butt the dBStrip to the upper surface of the dBfoam

On internal corners the dBStrip should be cut, and the ends butted and taped together, to ensure that there are no gaps between the dBStrip and the timber frame.



Once the screed is dry, the dBstrip should be folded down by the drylining contractor, and used to isolate the plasterboard from the screed. Typically, any excess dBstrip would later be removed by the flooring contractor.

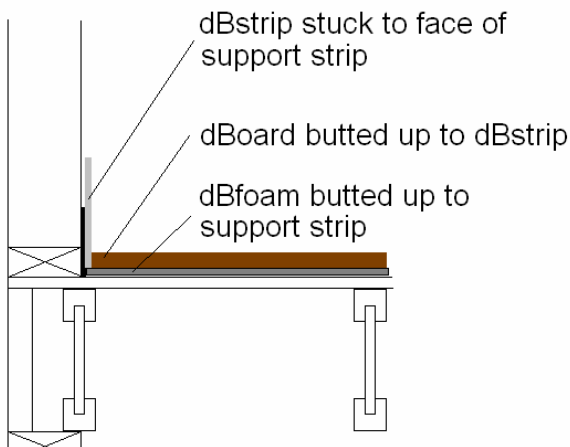


dBoard

The dBoard is used to isolate the Screedflo screed from the structural floor. It must not be broken or penetrated in any way as this will allow sound to be transmitted between floors. The dBoard should not be fixed in any way.

The dBoard comes as a 2200mm x 600mm square edged board.

It should be cut to butt neatly up to the dBstrip. Each board should be butted up to the previous board, ensuring that there are no gaps between the boards. The boards should be laid staggered (brick bond pattern). Care should be taken to lift the dBstrip skirt clear of the dBoard as it is being butted to the dBstrip.





Slip membrane

The main purpose of the slip membrane is to contain the Screedflo screed while it is liquid.

It should be cut to fit neatly to the face of the dBStrip, with adjoining strips overlapped by at least 100mm. All joints should be fully taped to prevent leakage.

The dBStrip skirt should be laid on top of the slip membrane, and taped down carefully to seal all joints.

On no account should Aluminium tapes be used in any way with the Screedflo dB system.



Service penetrations

All service pipes penetrating the floor must be fully isolated from the dBoard and Screedflo screed using the dBStrip.

Care should be taken to minimise gaps between the dBStrip and the dBoard, to prevent the screed from reaching the structural sub-deck.

All service pipes must be boxed in to prevent sound being transmitted between floors. The boxing should be treated in the same way as a structural wall or non-loadbearing internal wall.



General information

Weather conditions

Screedflo screed contains water and can be damaged by frost. As such it should not be laid at temperatures below 2⁰C and rising within the building.

Additionally work should be halted at temperatures greater than 30⁰C as this could reduce final strengths.

Drying

In good conditions, Screedflo will dry at an average rate of 1.8mm per day up to a depth of 40mm. However, it should be protected from rapid drying within the first three days of application.

Dehumidifiers can be used 7 days after application to assist with drying. Care should be taken to ensure that a closed system is employed to avoid extracted moisture from being re-circulated.

Forced drying can be accomplished by commissioning any underfloor heating system at least 7 days from screed application. However, the temperature should only be increased at a controlled rate over a period of a few days.

Walking on the screed

Access to the Screedflo surface should be restricted for at least 24 hours to avoid damage. Manual inspection is advisable before allowing access prior to 48 hours.

Normal site traffic and erection of non-load bearing partitions can be carried out 4 days after application of the screed.