

Isosonic Screed Planks are extremely dense gypsum based boards for use with Isorubber acoustic insulations. This guide shows installation using Isosonic Screed Planks as a floating floor.

Products required: **Tools required:**

- Isosonic Screed Plank
- Isoedge 6/75
- Rigidur Joint Adhesive- each bottle covers 12m²
- Isorubber- type dependant on application
- 1mm x 20mm Galvanized Staples- appx. 20 per m²
- 19mm Galvanized Screws- appx. 14 per m²
- Measuring Tape
- Straight Edge
- Pendulum Jigsaw with HM tipped blade
- Staple gun or powered screwdriver



IMPORTANT - REDUCING SOUND TRANSMISSION

Particular attention and care should be paid to perimeter detailing as flanking sound transmission is the biggest cause of sound test failure. Ensure Isoedge 6/75 is used to separate the Isosonic Screed Plank from the walls & skirting boards and that all gaps are filled with intumescent sealant.

Isosonic Screed Plank treatments may also require an Isosonic Ceiling System to be used- please see our Isosonic Ceiling Installation Guide for details.

1 **TIMBER FLOORS**

Lay structural deck to manufacturer's instructions ensuring that surface is flat and level. ISP boards should be fully supported across their entire area.

2 **TIMBER FLOORS**

Seal all gaps around perimeters and penetrations with flexible sealant and sweep deck clean.

3 **CONCRETE FLOORS**

Ensure floor is flat and level. Where necessary a levelling screed should be used. ISP boards should be fully supported across their entire area.

4 **BOTH FLOOR TYPES**

Start laying the Isorubber from one corner, ensuring that it is fitted hard up against the walls.

Structural deck or concrete floor

5

Ensure all Isorubber joints are tightly butted together.

6

Remove release paper on adhesive backing strip and fit Isoedge 6/75 around perimeter and penetrations.

Ensure that the adhesive backing is to the bottom of the Isoedge.

7

Isoedge 6/75 should be positioned on top of the Isorubber.

8

Plan the board layout to avoid excessive wastage.

Ensure that all boards run at 90° to the structural deck and that all joints are staggered.

9

Trim lap to start the first row- only fit square edges fit against Isoedge.

10

Fit Isosonic Screed Planks snugly against Isoedge without compressing it.

11

The double nozzle enables the application of two beds of adhesive to the rebate and board edge.

12

Swelling of the adhesive out of the joints indicates optimum bonding.

Glue lap joints with the twin nozzle Rigidur Floor Adhesive to the rebate board edges as shown.

13

Apply body weight to the last board laid when fixing to create the required pressure to form a tight joint.

14

Isosonic Screed Planks should be fitted with staggered short edged joints.

Stagger the short edged joints of each row laid by a minimum of 200mm.

200mm (min.)

15 **STAPLES-**

If using staples ensure they are 1mm x 20mm, galvanised and resin-coated.

Staples- minimum spacing 150mm

16 **SCREWS-**

Fasten lap joints row by row with either galvanised screws (min. 250mm spacing) or staples (min. 150mm spacing).

Screws- minimum spacing 250mm

Apply body weight to boards to create required pressure.

17

Do not countersink staples more than 1.5mm

Do not penetrate through the Screed Planks.

Do not countersink screws more than 1.5mm

Do not penetrate through the Screed Planks.

18

Scrape off excess adhesive once it has set- appx. 1 hour depending on conditions.

Use a generic filler to fill all countersinking holes.

19

Fill all gaps between Isosonic Screed Plank and Isoedge with a flexible sealant.

20

Fold Isoedge along die cut and use to isolate dry lining & skirting.

Trim off excess with a knife.

21

Do not walk on the floor for 12 hours after installation. Do not load the floor for 24 hours after installation, unless using 'stepping stones'.

22

Non-load bearing walls can be built off the Isosonic Screed Plank.