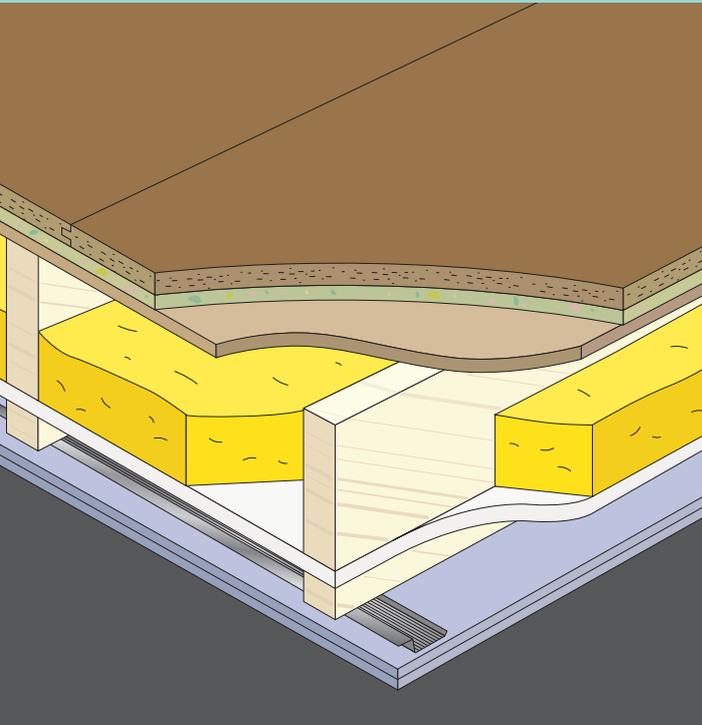


FLOORSORBA27™

Acoustic flooring boards

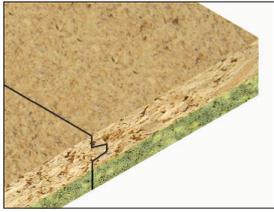


FLOORSORBA27™ acoustic flooring boards are used to reduce airborne and impact sound through separating floors between adjacent properties such as houses, flats, offices, etc. Their performance conforms to Approved Document E of the Building Regulations.

The **FLOORSORBA27™** acoustic boards are laid on top of the existing timber floorboard construction in a staggered bond pattern with all the joints glued. The perimeter is isolated using an isolation tape.

FLOORSORBA27™

Acoustic flooring boards



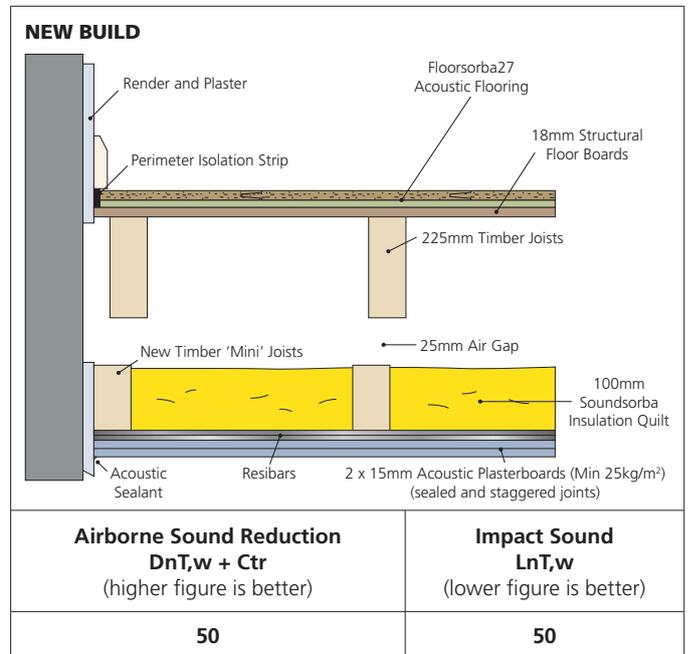
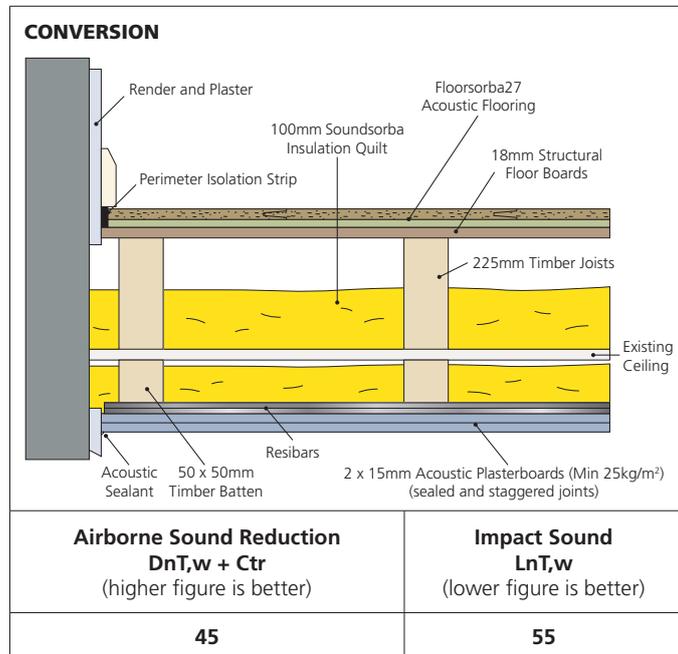
The composite construction of the acoustic board consists of 18mm P5 T&G chipboard bonded to 9mm recycled acoustic chip foam.

NOMINAL BOARD SIZE: 2400 x 600 x 27mm (+/- 3mm)

NOMINAL BOARD WEIGHT: Approximately 19 kg per board

TYPICAL ACOUSTIC PERFORMANCE

(Box showing the acoustic airborne and impact performance)



Typical acoustic performance based on FLOORSORBA27 acoustic boards laid over 18mm flooring deck with a timber joist construction, having 100mm thick Soundsorba insulation quilt between the joists, resting on existing plasterboard ceiling with additional 2 layers of 15mm acoustic plasterboard (with sealed and staggered joints) fixed with steel Resibars. The steel Resibars should be fixed to 50 x 50mm timber battens. For New Build, use independent isolated ceiling as shown above. Please refer to Isosorba noise reducing ceiling brochure when constructing the ceilings shown above.

Important: The acoustic performance of any floor structure will vary according to each individual building construction. Perimeter isolation tape must be fitted to isolate the FLOORSORBA27 boards from directly touching the perimeter walls. Acoustic performance by any sound reducing system can be significantly reduced by flanking sound. Steps must be taken to negate flanking sound transmission paths to avoid degradation of acoustic performance. Examples are boxing soil/heating pipes, conduits, wall flanking control, recessed lights, etc.

INSTALLATION

- 1 Store the FLOORSORBA27 acoustic boards in the rooms where the boards are going to be installed for at least 24 hours before use at normal room working temperature.
- 2 Use appropriate facemask when cutting boards to avoid inhalation of dusts particles, etc.
- 3 Remove any existing skirting and plaster down to floor level.
- 4 With the structural floorboards removed, lay 100mm thick Soundsorba acoustic insulation quilt between the joists.
- 5 Make sure that the faces of the base of the perimeter walls are flat, level and smooth and free of dust or loose particles so that the isolation strip can adhere.
- 6 To make best use of materials, do a layout to the floor area to minimize waste of cut materials.
- 7 Use the FLOORSORBA27 Isolation tape and fit this around the perimeter of the room and ensure that it will stand proud by about 3mm of the finished FLOORSORBA27 boards. If the perimeter walls are slightly uneven, then fill the gaps fully with acoustic mastic between the junction of the floor and the walls.
- 8 The first board should have the tongue cut off one end and one long edge of the board so that it will butt neatly and tightly against the Isolation tape on the edge of the wall. It will be better to start the acoustic board installation at the opposite corner from the door opening. Lay the first board (foam side down) and butt tightly up against the Isolation tape making sure to avoid direct contact with the wall.
- 9 Fit the other acoustic boards by gluing the Tongue and Groove joints with FLOORSORBA27 joint adhesive. Approximate glue coverage for the joints is about one litre to around 25m² of acoustic floor laid area.
- 10 Install the acoustic boards in a staggered joint pattern.
- 11 Make sure that all the FLOORSORBA27 boards are tightly fitted to avoid any gaps and any sound leakage paths. Fill any gaps with mastic.
- 12 Allow that joint adhesive to cure (up to 48 hours) before walking on the floors.
- 13 Fit skirting boards by allowing a minimum of 3mm gaps between the top of the FLOORSORBA27 boards and the bottom of the skirting.
- 14 Where the floor is to be used as a surface for smooth floor finishes, slight sanding of the joints may be required before fitting the floor finish. Flexible materials to BS; 3261A should be used.
- 15 Where a high quality smooth finish is required, it may be best to fix 6mm hardboard or plywood on top of the FLOORSORBA27 boards, using an impact adhesive.
- 16 In the event of fitting laminate flooring finishes, loose fit PE Foam sheets between the laminate and FLOORSORBA27 acoustic boards.
- 17 Please consult Soundsorba Ltd Technical Department if you wish to fit any other floor finishes.
- 18 Refer to Isosorba noise reducing ceiling brochure when constructing the ceiling shown above.

Prices and Conditions of Sale

Our standard terms and conditions (copy available on request) apply to all orders. Since Soundsorba Limited exercise no control over the use of its products, no legal responsibility is accepted for any application of their products. We reserve the right to change specifications without notice as our policy is one of continuous improvement. Copyright Soundsorba Limited 2014.