

04 | PRODUCTS, ACCESSORIES & TOOLS

SoundDown™ raised acoustic floor systems are feature proprietary and market-available, reputable construction products, available through Trade Supply (tradesupply.co.nz).

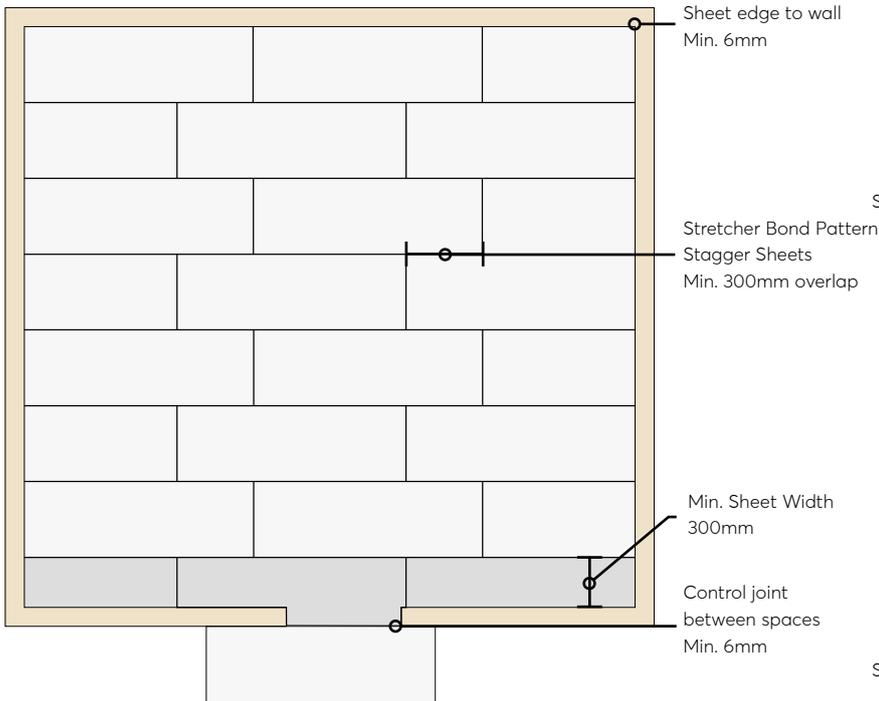
Boards, Battens & Insulation	
	<p>SoundDown™ PAB A pre-assembled acoustic batten comprising of LVL & recycled rubber isolation strips, 45x46mm. Available in 1.0m, 1.8m, 2.4m & 3.0m lengths.</p>
	<p>SoundDown™ SDP A pre-assembled acoustic sandwich panel comprising of Maglok Dragonboard 20mm, recycled rubber isolation strips and pads and 6mm SaveBoard Exposed Internal Lining. Available in 1800x600x42mm.</p>
	<p>Maglok™ Dragonboard A chloride-free, fibre-reinforced MgO board for use as structural sub-floor featuring a shiplap joint on the long edge. Available in 2000x1200x20mm and 1800x600x20mm. *1800x600x20mm is preferred for SoundDown™ PAB due to fitting batten spacing.</p>
	<p>Mammoth™ Acoustic 580 A 580gsm, moisture-resistant, non-sag, polyester insulation available in blankets and sections. Available in 600x2500mm roll (2pcs/30m² per pack).</p>
	<p>Oriented-Strand Board (OSB) 20mm A oriented strand board (OSB) for use as a structural sub-floor featuring a tongue and groove joint on the long edge. SoundDown™ recommends the use of either: - IBS™ Eurofloor. Available in 2400x1200x20mm & 3600x1200x20mm. - Laminex Strandfloor T&G. Available in 2400x1200x20mm & 3600x1200x20mm. *Where used in wet areas; a moisture-resistant OSB is required. H31 grade or higher.</p>
	<p>Plasterboard (13mm) A 960kg/m³+ 13mm high-performance acoustic and fire plasterboard lining is required. SoundDown™ recommends GIB™ Braceline® Noiseline® 13mm Plasterboard. Available in 1200 x 2400 2700 3000 3600.</p>
	<p>Rondo KEY-LOCK® Suspended Ceiling System A performance, snap-fit acoustically-rated suspended ceiling system. The following products must be used: - Rondo 547 Suspension Bracket - Rondo 2534 Suspension Clip 110mm (To suit TCR 127/128) - Rondo 121 Suspension Rod - Rondo 127 TCR 25mm (*128 TCR 38mm permitted for use) - Rondo STSU Acoustic Isolator - Rondo 129 Furring Channel (28x38mm) - Rondo 272 TCR Joiner *Additional layers of plasterboard may be used to provide a fire-rated system. Refer to www.rondo.co.nz for more information.</p>

 Denotes interchangeability of products permitted when a professional acoustician has provided a technical specification suitable for your project needs.

Accessories	
	<p>SoundDown™ SDP Acoustic Isolation Kit A kit of additional isolation strips and pads to reinforce SoundDown™ SDP panels where cutting has removed pre-assembled isolation material.</p>
	<p>Screws 8G x 50mm Countersunk (CSK) Self-Tapping Screw Dry Areas: Min. Class 3 Galvanised Wet Areas: SS304 or SS316 Required.</p>
	<p>Construction Adhesive Examples: Sika™ Nail Bond Premium, Holdfast Gorilla™ Grip, Bostik™ Alpha Grip & Selleys™ Liquid Nails</p>
	<p>Fire & Acoustic Sealant Examples: Selleys Superfire 810</p>
	<p>Backing Rod Closed-cell, 10mm backing rod for control joints</p>
	<p>Insulation Ties/Strap</p>
SoundDown™ Tools	
	<p>SoundDown™ PAB Setout Tool A prefabricated setout tool, removing onsite measuring and maintaining alignment during installation of SoundDown™ PAB battens.</p>
Power Tools	
	<p>Simpson Strong-Tie Quik Drive Screw® Driving System An extended, collated, auto-feed screw gun enabling fast fixing of subfloor topping panels. (SoundDown™ PAB Only)</p>
	<p>Cordless Impact Driver / Drill</p>
	<p>Track Saw with Vacuum Dust Extraction (M Class or Higher)</p>
	<p>180mm+ Diamond-Tipped Saw Blade</p>
Hand Tools	
	<p>Gorilla™ Gripper</p>
	<p>Spatula / Joint Knife</p>
	<p>Caulking Gun</p>

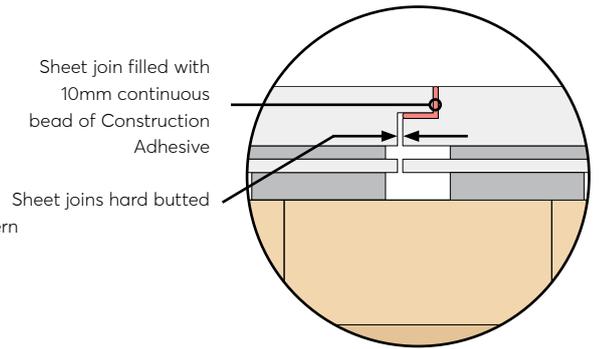
06 | SOUNDDOWN™ SDP | LAYOUT

ROOM PLAN

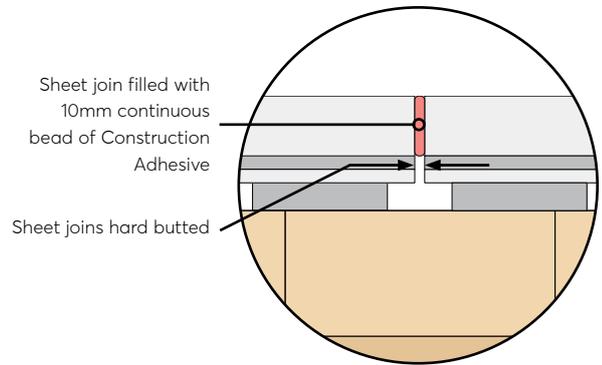


 Panels are NOT to come into contact with the wall lining or framing.

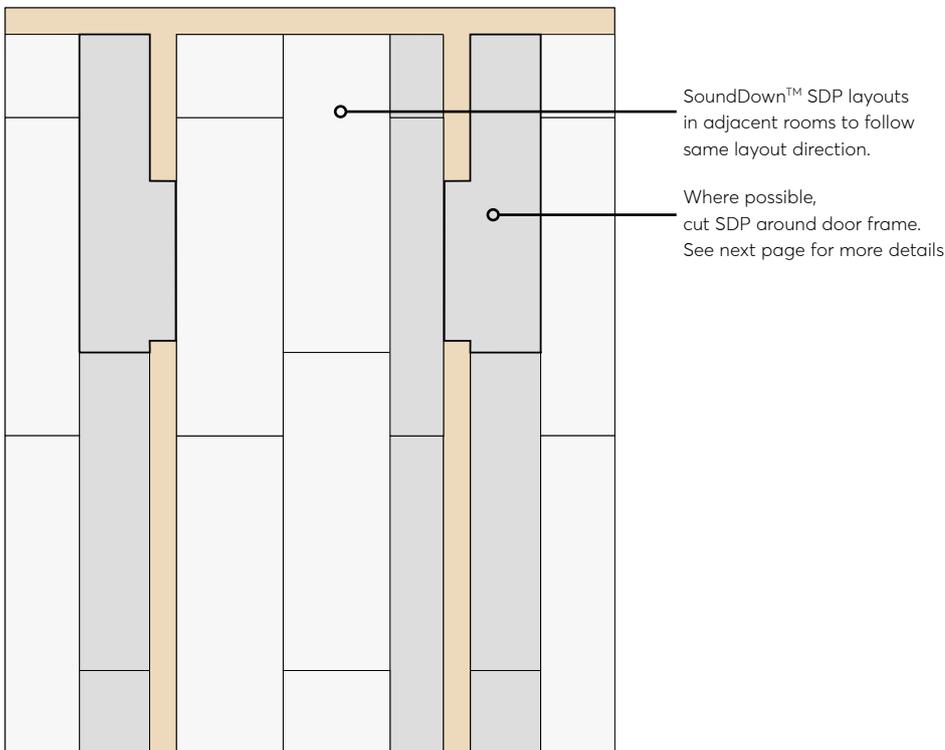
LONG EDGE JOIN - SHIPLAP



SHORT EDGE JOIN - BUTT JOIN

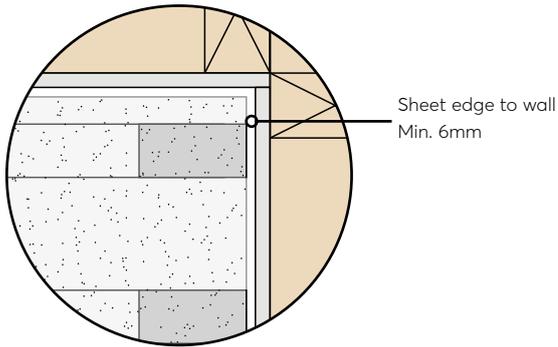


CORRIDOR PLAN

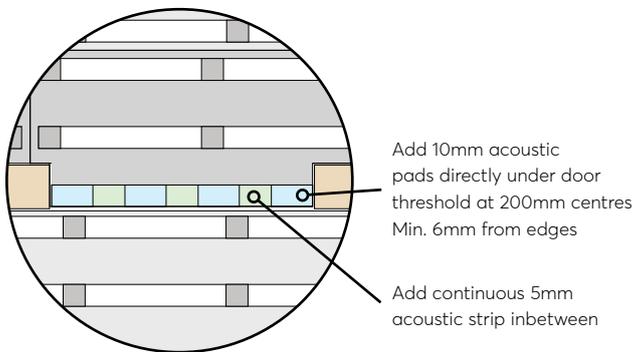


07 | SOUNDDOWN™ SDP | CONSTRUCTION DETAILS

CORNER

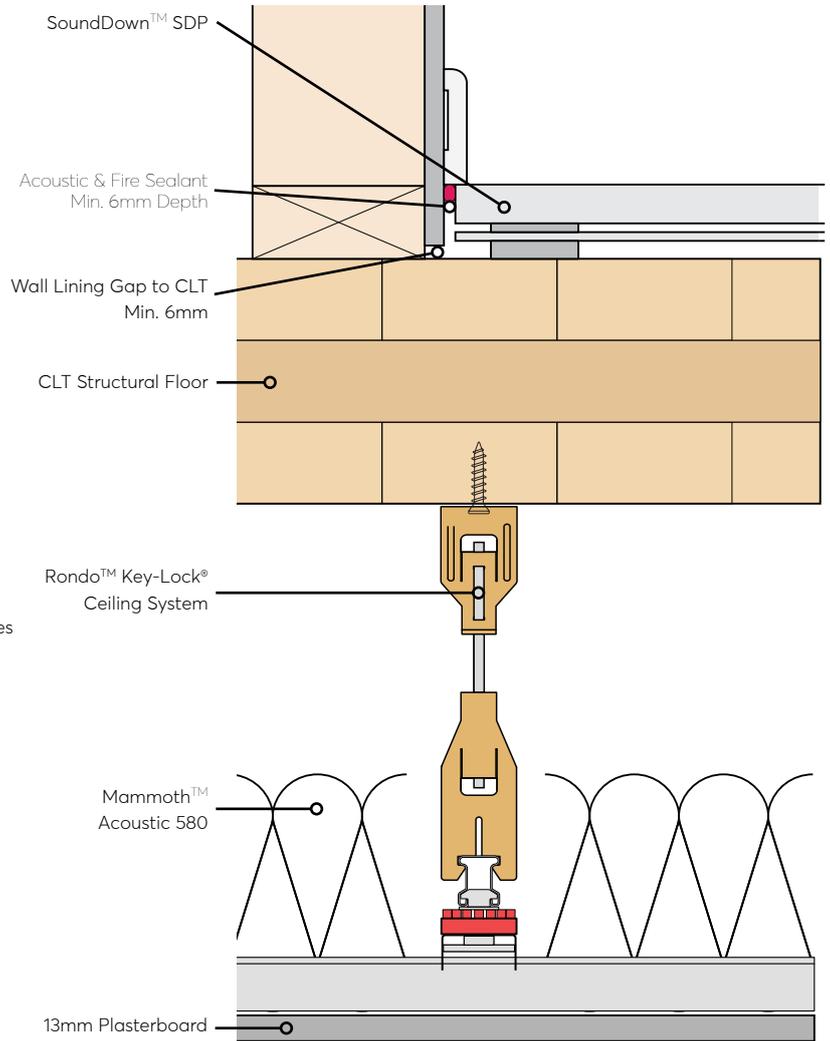


DOORWAY

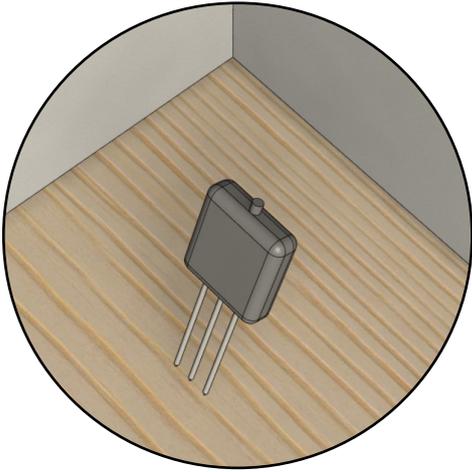


Where the isolation pads and strips are removed due to panel cut, additional material is to be added to support the sheet edge.

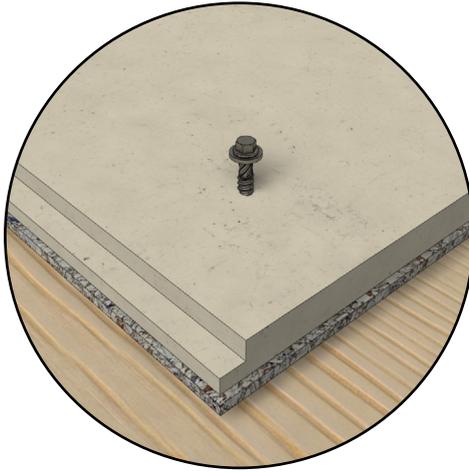
SECTION VIEW



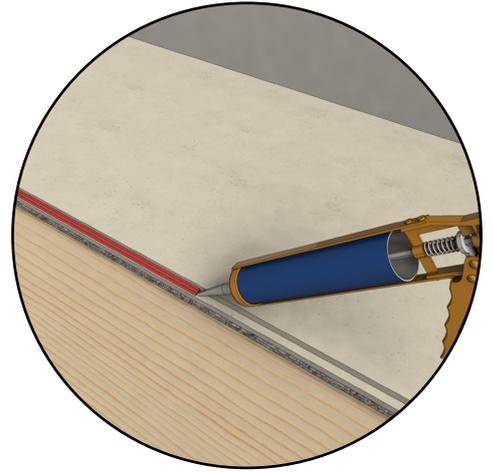
08 | SOUNDDOWN™ SDP | INSTALLATION



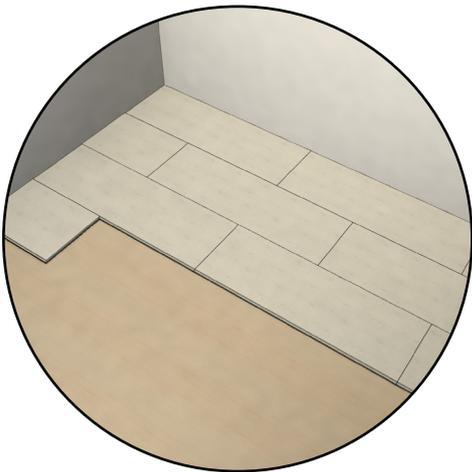
- Ensure CLT is free of debris, dust, nails and screws.
- Check CLT moisture content, must be under <16% before installation.
- If the CLT has been coated, install after desired curing time has lapsed.
- Wall lining to be installed before installing SoundDown™ SDP Floor System, and not touching the CLT structural floor.



- The first panel may be secured in two locations using 8Gx50mm hex head screws at diagonally opposing sides. This is to ensure the panel does not move while butting up the next panels.
- The screws MUST be removed after installation and holes filled with fire and acoustic sealant through the entire panel depth.



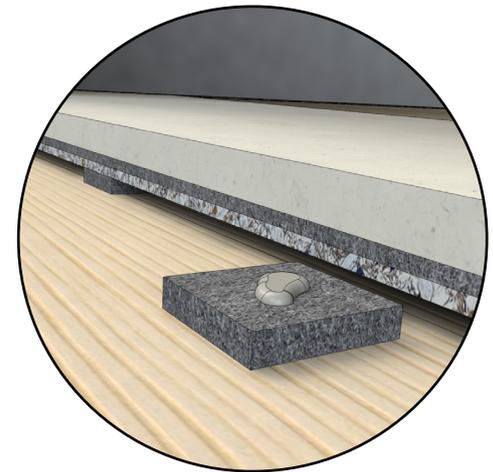
- Measure room layout, calculate panel sizing (considering minimum cut panel size), ensure panels can be positioned to allow for minimum stretcher-bond overlap. See Construction Details.
- Start installation from the furthest corner from the door opening.
- Apply a continuous bead of the specified Construction Adhesive into the joint and scrape excess.
- Ensure Construction Adhesive is applied at the butt-joint where sheet ends meet.



- Follow layout to front of the area. Panel width cuts may be required with additional SoundDown™ 10mm Acoustic Pads to be placed under the SDP board. See Construction Details for further information on cut SDP panel detailing.



- Where cutting of panels leads to removal of inbuilt isolation strip, add a continuous length of 5mm isolation material to the inside edge of panel, using a generous amount of construction adhesive.



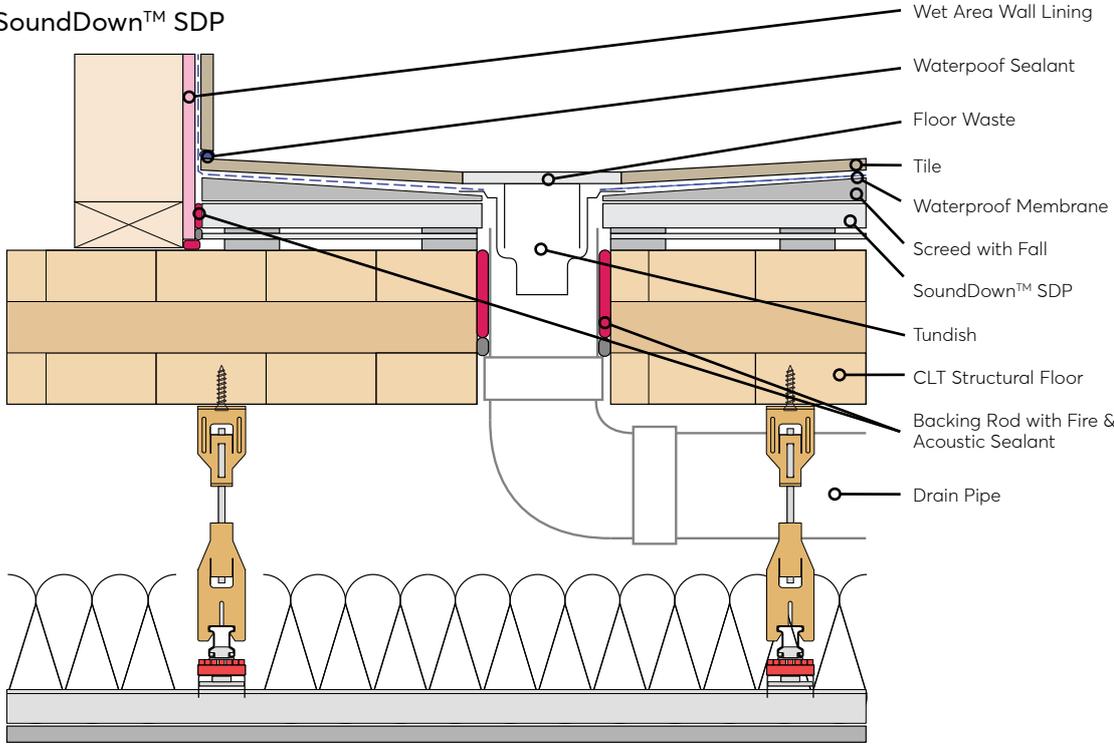
- Add 10mm isolation pads at 250mm centres to the underside of the panel along the cut edge, using a generous amount of construction adhesive.
- Panel edge to be clamped firmly until the isolation strips are securely adhered.

12 | WET AREAS & PENETRATIONS

SoundDown™ Floor Systems utilise a common wet area and penetration detail for insitu bathrooms.

If your project features the use of bathroom pods or other pre-fabricated elements, it is the designers responsibility to coordinate design and detailing with all parties to ensure a compliant and secure waterproof details.

SoundDown™ SDP



SoundDown™ Systems

- Penetrations must be only 10mm larger than required pipe/ducting and filled with fire & acoustic sealant.
- PAB and SDP require additional min. 250mm supports at either side of the penetrations.

SoundDown™ PAB System

- Only Maglok Dragonboard in wet areas.
- Stainless steel screws only to be used in wet areas.
- Fastener heads to be covered in waterproof sealant, scrape flush to floor.

Important Information

- Fire & Acoustic performance can be adversely affected by penetrations; it is the responsibility of the designer to coordinate with 3rd parties to ensure penetrations and products used are compliant and fit for purpose.

SoundDown™ PAB

