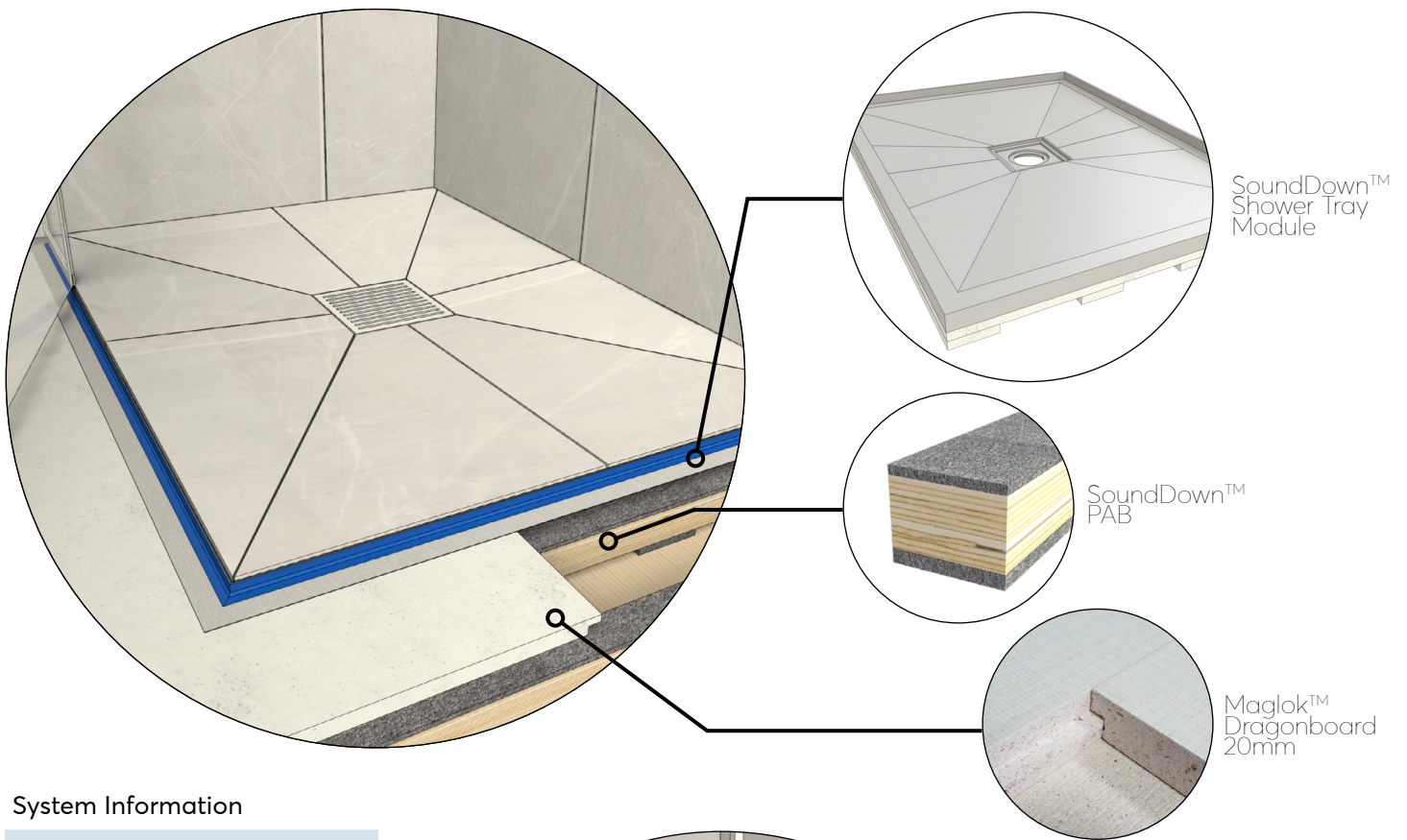


# 04 | INTRODUCING SOUNDDOWN™ SHOWER TRAY MODULE

SoundDown™ offer a pre-assembled wet area solution to compliment SoundDown™ PAB acoustic floor system for buildings in New Zealand utilising Cross-Laminated Timber structural floors. The following system removes the requirement to build up the shower floor with wet screeds, enables a seamless, flush shower entry and reduces onsite labour whilst providing an endorsed, proprietary waterproofing system.

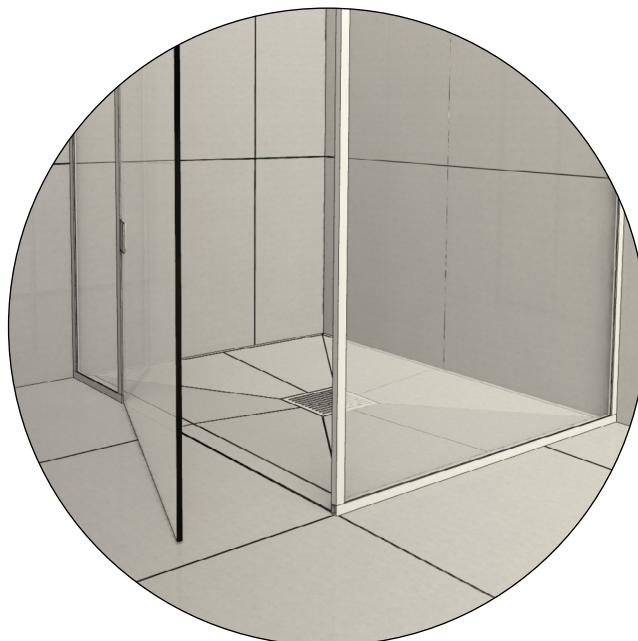
## SoundDown™ Shower Tray Module for SoundDown™ PAB

*A pre-assembled, acoustically isolated, preformed shower tray mounted on a moisture-resistant Maglok Dragonboard 40m base ready for waterproofing and tiling.*



### System Information

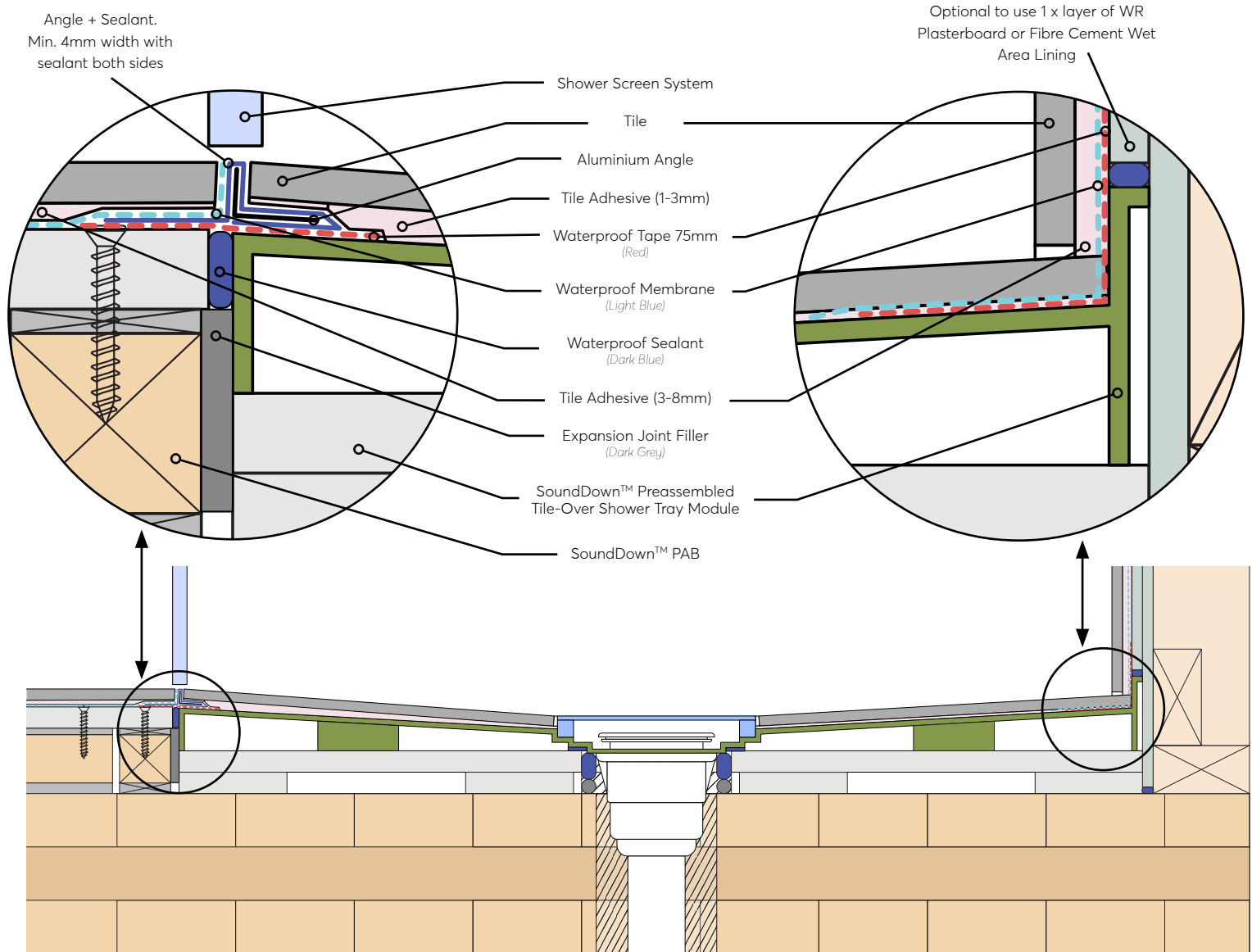
Above Floor Build Up:	96mm
Easy Clean Floor Waste:	✓
Topping Durability:	Maglok ✓
No Wet Screed:	✓
Seamless Floor Transition:	✓
In-Built Fall In Tray:	✓



# 14 | SOUNDDOWN™ PAB | SHOWER TRAY MODULE DETAILS

SoundDown™ PAB acoustic floor system can accommodate a tileable shower tray to achieve a flush shower entry threshold for insitu bathrooms installations.

If your project features the use of shower trays, it is the designers responsibility to coordinate design and detailing with all parties to ensure a compliant and secure waterproof details.



 SoundDown™ recommends the use of Ardex Waterproofing Product. See Page 8 for more information.

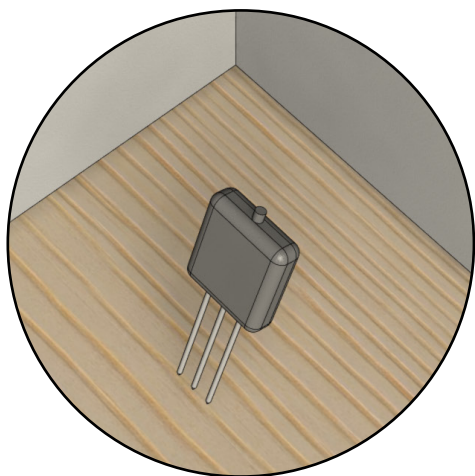
## Important Information

- Where a CLT wall is specified, the detail remains the same as listed above.
- By partnering with Ardex, SoundDown™ offer a warranted solution. Where an alternate waterproofing system is specified; consult the manufacturer to confirm suitability of products and warranty terms and conditions.
- 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 meet your requirements.

## SoundDown™ PAB System

- Penetrations must be a maximum of 10mm larger than required pipe/ducting and filled with backing rod & waterproof sealant.
- Stainless steel screws only to be used in wet areas.
- Fastener heads to be covered in waterproof sealant, scrape flush to floor.

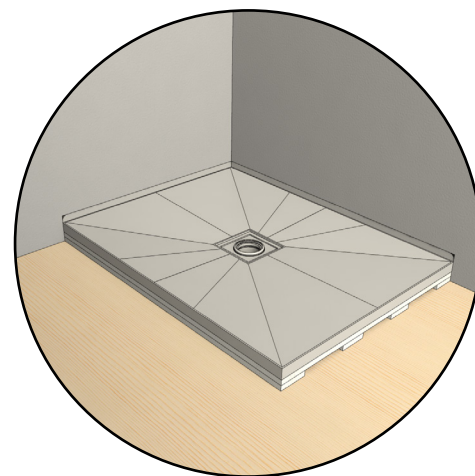
## 15 | SOUNDDOWN™ SHOWER TRAY MODULE | INSTALLATION



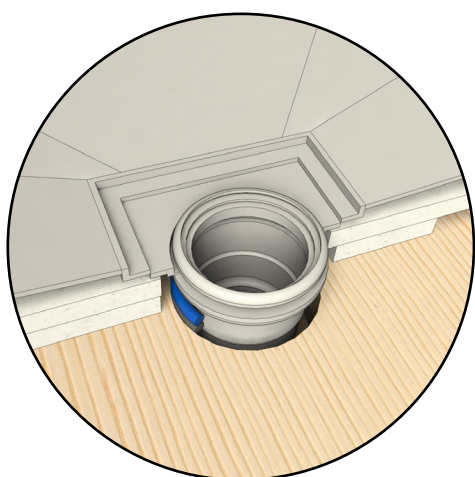
- Ensure CLT is free of debris, dust, nails and screws.
- Check CLT moisture content, must be under <16% before installation.
- If the CLT has been coated, install after desired curing time has lapsed.
- Wall lining to be installed before installing SoundDown™ Shower Tray Module.



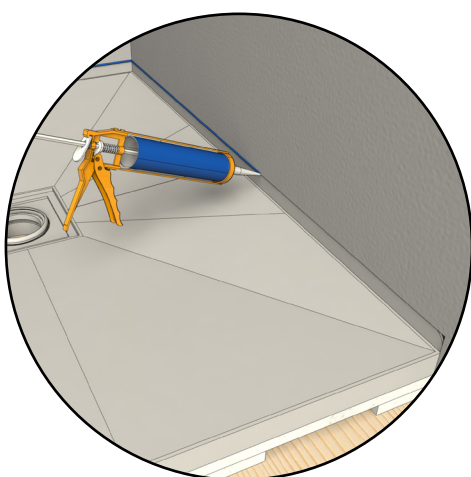
- If adjoining wall is stud frame, additional studs and turned noggins on base plate are required to support shower tray module width and length.
- If adjoining wall is CLT, additional furring channels are required.
- Measure shower tray and cut out notches in wet area lining to allow for shower tray module upstands, allow for a tight fit between shower tray module and wet area lining.



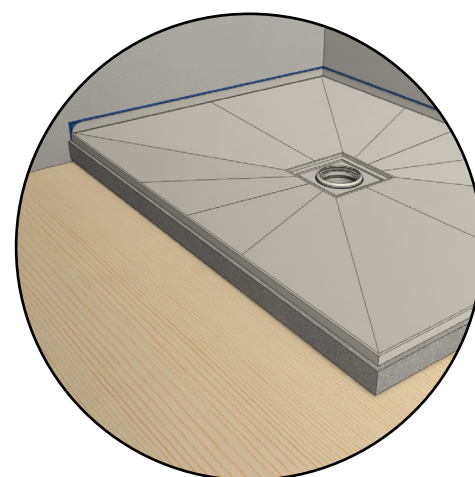
- Position Shower Tray Module, ensuring penetration is aligned to the drain waste of the Shower Tray Module.
- Check penetrations in the CLT floor are no bigger than 10mm than the Easy Clean Waste Drain outlet.
- Use an epoxy adhesive to glue back of Shower Tray Module to wall base.
- Do NOT mechanically fix Shower Tray Module to the CLT structural floor. The Shower Tray Module is designed to 'float' over the floor.



- Install the Easy Clean Waste with extended drain pipe into the penetration, seal the penetration with 10mm backing rod and filling penetration gap with waterproof sealant.
- The project may require an alternate detail such as use of waterproof elastic collars or other; follow the 3rd party manufacturer's recommendations.



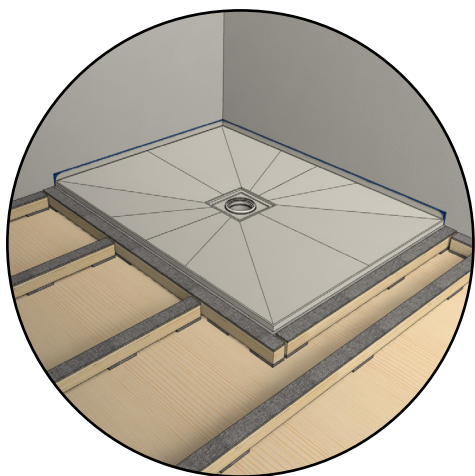
- Apply a continuous 6-8mm bead of the waterproof sealant at the joint between Shower Tray Module and Wet Area Lining.



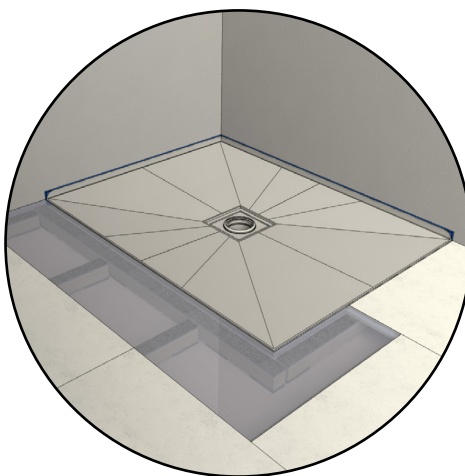
- Fix a 10x50mm Expansion Joint Filler to the Shower Tray Module, ensure there is a 20mm distance from top of the foam to the top of the shower tray.



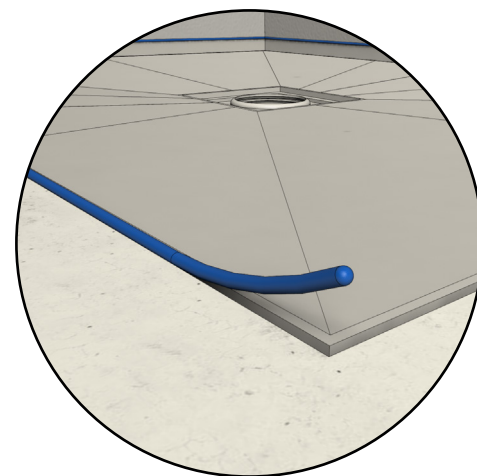
## 15 | SOUNDDOWN™ SHOWER TRAY MODULE | INSTALLATION



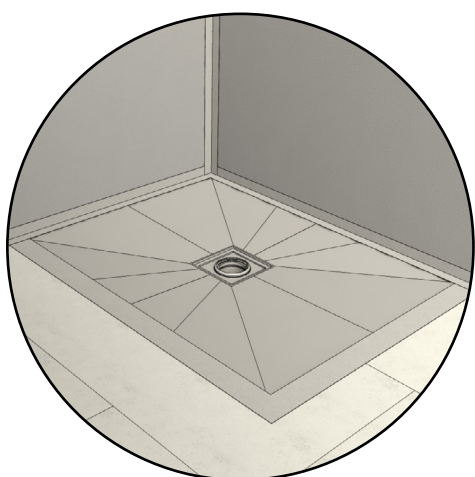
- Prepare PAB battens to suit length and width of Shower Tray Module; see construction details for dimensions.
- Install PAB battens hard up against Expansion Joint Filler.



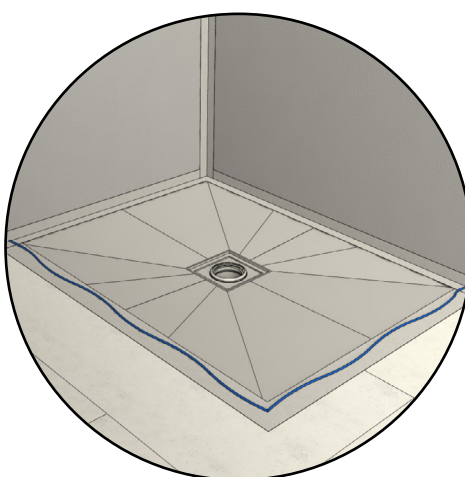
- Install Maglok Dragonboard 20mm; see pages 13 to 15 for construction details and installation procedure.
- Allow for 6mm gap between Maglok Dragonboard panels and Shower Tray Module.



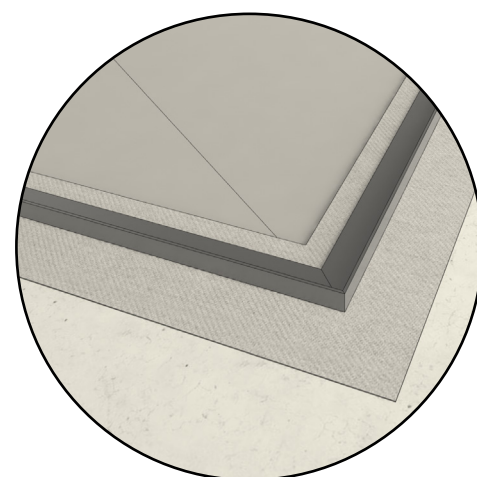
- Seal the gap between the Shower Tray Module and Maglok Dragonboard entirely with Flexible Joint Sealant until it reaches the Expansion Joint Filler.



- Start waterproofing on the floor by applying a 75mm waterproofing tape along the Shower Tray Module and Maglok Dragonboard junction, ensuring equally distant on both sides of the joint.
- After the floor is taped, Tape the floor-to-wall junctions followed by internal wall corners.

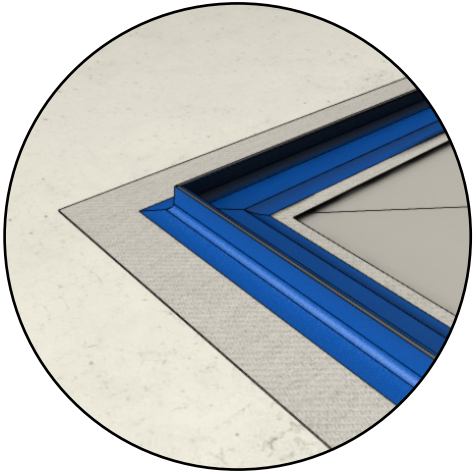


- Measure and mark location for aluminium angle.
- Apply a continuous 6-8mm bead of the waterproof sealant

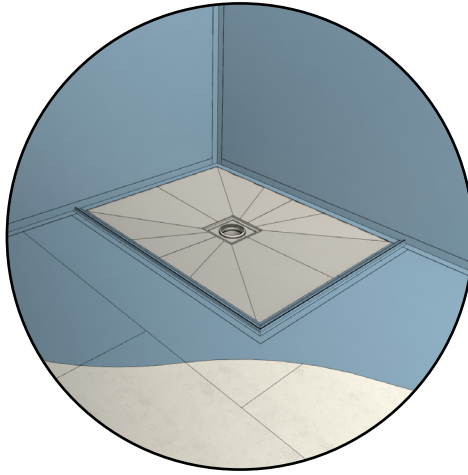


- Place aluminium angles where upstand is flush with the Shower Tray Module edge.
- Seal aluminium angle join at the corner.

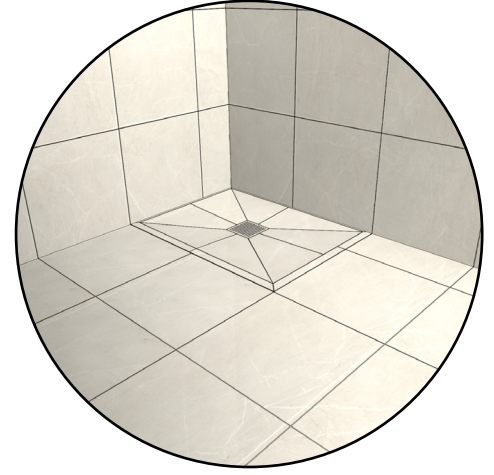
## 15 | SOUNDDOWN™ SHOWER TRAY MODULE | INSTALLATION



- Apply Waterproof Sealant generously to create a bond breaker on both sides of the aluminium angle, tool the sealant to create a min. 3-5mm radius.



- Prepare and prime all floors and walls as directed by waterproofing specification.
- Apply liquid waterproof membrane to walls and floors, overlapping the waterproofing tape and aluminium angle by 50mm toward the drain waste.
- Further waterproofing of Shower Tray module is not required.



- Use waterproof sealant instead of grout between the main floor and the Shower Tray Module tile joint.
- Use an epoxy-based tile adhesive for tiling to the Shower Tray Module
- Continue standard tile installation practice.