

# Introduction to Monsoon Australia



## Introduction

At Monsoon Australia, we believe in continuous improvements through innovation. We believe that by not simply doing things because that's how it's always been done, by embracing change, embracing advancements in material science and technology, that we can all make a difference for ourselves and for future generations.

As an Australian founded, owned and operated business, we challenge “the norm” in all aspects of our business, including:

- 🌀 **Personal and Environmental Health.** Not only are our products silica free, lightweight and adhere to manual handling weight restrictions, but they also contain up to 50% recycled material within the XPS core. Our corporate sustainability plan incorporates other factors such as carbon emissions and future net zero emission targets.
- 🌀 **Simplifying Complexity.** With built in falls, recessed leak control flange area to accept your preferred fitting and a multi-stage fail safe process for sealing joins, we have and will continue to build in as many features to our system that take the strain off the installer and pre-build it into our system.
- 🌀 **Mission 0.** We're on a mission for Australia to have 0 defects and 0 discrepancy to the NCC by innovating with our product design, utilising AI and digital transformation to allow compliance advice and doing our part to educate the industry.

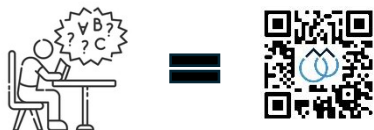
## The National Construction Code (NCC)

The National Construction Code is Australia's primary set of technical design and construction provisions for buildings. It is essential that installers are aware and understand the current NCC regulations and also any updates included in future NCC code changes. AS 3740:2021 is the current waterproofing standard as of August 2024.



## Instructions

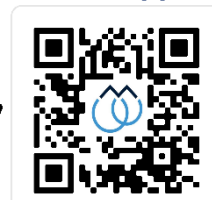
For those with difficulty reading, listen and watch installation guides by scanning here:



If English isn't your first language, choose from Australia's most popular alternative languages by scanning here:



**Download the  
Monsoon Australia App!**



**SCAN ME**

# Guide to Installing a Monsoon Shower Base



## Before Installing your Monsoon Shower Base

1. Ensure you have read and understand the following guide.
2. Download the Monsoon Australia app (qr code on first page) so that you have access to digital SDS, access to the warranty registration portal and also access to instructional videos.
3. Measure the area where the shower base will be installed to determine if the base must be cut to size. Pay attention to the drain location when cutting a shower base to size. We recommend leaving a 3 mm space between the base edge and the framed wall.
4. Dry fit the shower base on the subfloor and ensure that the subfloor opening and drain pipe are centred inside your shower base drain opening. Ensure all sides of the shower base fit comfortably to the walls. DO NOT try to force the shower base into its location.
5. Ensure the substrate is level and the surface is even.
6. NOTE! All bases must be fully supported underneath. Monsoon bases are not designed or should under any circumstances be used with no support underneath (i.e. just spanning floor joists)

**⚠ DO NOT forget to install water stops as per AS 3740:2021 guidelines. Water stops can be fixed using Monsoon SLS sealant.**

## Trimming a Shower Base to Size

Monsoon Shower Bases can be cut to size using power saws (we recommend a 40 tooth blade for a 190 mm circular) or a sharp utility knife. (Pro tip – reversing a new circular saw blade will ensure it doesn't blunt prematurely and also still effectively cuts the base).

Ensure all parts of the Leak Control Flange kit are present (Leak Control Flange and Leak Control Flange Seal) and in the correct drain size to the drain pipe (i.e. 50mm, 80mm, 100mm, etc)

The drain pipe must be securely fastened below the subfloor so that it will not move under load. The drain should be centred through a 100 mm round opening in the subfloor to allow the proper fit of the drain assembly. Cut the ABS or PVC drain pipe 3 mm higher than the subfloor. Clean off any debris on the pipe after cutting.

Perform a final floor and wall measurement check to ensure all walls are square and make any adjustments required BEFORE installing your Monsoon shower base. Clean the shower base install area of any dirt, dust, or debris.

## Installation Tools and Materials Required

- 20 L plastic bucket and drill with mixing paddle
- Primer compatible with substrate. (Your authorised Monsoon retail store can advise on recommended products that they stock)
- C2 S2 Tile Adhesive (Your authorised Monsoon retail store can advise on recommended products that they stock)
- 8mm notch trowel
- Circular saw or hand saw
- Tape measure & fine point marker
- Level
- Utility safety knife

# Guide to Installing a Monsoon Shower Base



## Step 1

Priming the substrate is a CRITICAL element of the installation process and one we often see missed in regular membrane applications. Priming the substrate with a product that is compatible with both the substrate and C2S2 glue that is being used is again critical.

Once substrate is clean, apply the suitable primer and ensure ample drying time is allowed.



Drying times on product packaging are often based around an average ambient air temperature of 23 degrees. Ensure you understand the drying time references and the ambient air temperature on your job to allow the correct primer drying time.



## Step 2

Mix the tile adhesive as per manufacturer's instructions. Apply to the subfloor starting at the back of the shower area, troweling with an 8mm notch trowel towards the front. Ensure the trowel lines are pointing to the front or curb of your shower base. This will ensure there will be no voids in the installation. DO NOT cross channel trowel lines or air cannot escape.

Carefully place the shower base in the proper position on the subfloor and press into place by walking on the shower base. Ensure the shower base is firmly pressed into the adhesive and is level on all four sides. Use a level to check the slopes to the drain.

Wipe away any adhesive which may have accumulated on the drain pipe.



## Installing the Leak Control Flange

Sit the leak control flange onto the base outlet recess, making sure it fits flush onto the base and holds firmly on the pipe. Once happy with the fit, take off the flange and apply PVC pipe glue primer to the inside of the drain and the outside of the Leak Control Flange. Once dry, apply pvc pipe glue to both surfaces prior to install.

Additionally, apply Monsoon SLS sealant in 2 circular beads around the outlet recess for the leak control flange to be pressed onto. Press Leak Control Flange onto the sealant until it sits level. Apply another layer of sealant over the top of the edge and smooth with a flat spatula. Once smoothed, apply the Monsoon Leak Control Flange Seal on top and further flatten with the spatula. The Leak Control Flange should sit just below the level of the base to comply with AS3740:2021 standards.



Plumbing regulations and requirements can change and differ according to each state in Australia. Please ensure you know and understand the plumbing regulations in your state prior to installation of the leak control flange. Our recommendation is to consult a professional, licensed plumber for advice and/or installation.

# Guide to Installing Monsoon Wall Sheets



## Before Installing your Monsoon Wall Sheets

1. Ensure the wall stud spacing is a minimum of 450mm centres as per the current NCC regulations.
2. Ensure that any electrical wiring or plumbing pipework in the walls sits at a minimum depth of 30mm from the front of the stud. The reason for this is that when monsoon sheets are installed with 30mm screws, the chances of penetrating pipework or wiring are vastly minimised.
3. Ensure any external wall has been insulated as per current NCC standards prior to sheeting.
4. Take a photo of the pipework and cabling for your reference and plan your screw positioning away from any areas where pipework or electrical cables are located.
5. Measure the area where your sheets will be installed ensuring any vertical joins are made where a stud is located.


## Trimming Wall Sheets to Size

Monsoon Wall Sheets can be cut to size using a sharp utility knife. We recommend an automatically retracting knife for safety reasons.

Using a tape measure, mark the width of the sheet that needs to be cut. Use a straight edge to then score the board along the marked line. Like plasterboard, the board can then be broken along the line and then the reverse side cut to finish.

Any round penetrations (i.e. shower outlet, mixer tap, etc) can be marked and then cut out with a hole saw ensuring no more than a 10mm gap around the penetration is left.

Perform a final floor and wall measurement check to ensure all walls are square, studs are level (and suitably packed if needed) and make any adjustments required BEFORE installing your Monsoon sheets.

 Don't forget that AS 3740:2021 states that you must waterproof to 25mm above finish floor level or 150mm above the structural floor level. Monsoon wall board can be utilised for this along the perimeter of the wet area.

Again – please pay close attention and compliance to AS 3740:2021 when it comes to correctly installing water stop trims both in the shower area and at the entrance door including additional detail for cavity sliding doors.



# Guide to Installing Monsoon Wall Sheets



## Step 1

The wallboard at the rear of the shower should be installed first. Begin installing your wallboard by applying a 10mm continuous bead of Monsoon SLS Sealant on the edge of the base where the wallboard will sit on. Place your pre-cut, wallboard into place and use a level to ensure the board is properly positioned. Push the wallboard down onto the sealant so that you can visually see the sealant squeeze out from the bottom.



## Step 2

Fasten the wallboard to the studs using 30mm screws (Timber screws for fastening into timber studs and metal screws for fixing into metal frame studs) Monsoon washers. Continue placing washers and screws every 450mm along each stud until the entire sheet is fastened to each stud.

Use the corner spatula to smooth out the excess joint sealant from the seam between the shower base and the wallboard.



## Step 3

Apply a 10 mm continuous bead of joint sealant in the side of the shower base and down the edge of the rear wallboard so that the side wallboard can be pressed firmly into the shower base channel and against the rear wallboard.

Place pre-cut side wallboard approximately 25 mm from the rear wallboard and press it firmly into the shower base. Once in place, begin to push it towards the rear wallboard and press firmly into the vertical line of joint sealant. Ensure the wallboard is firmly and equally in the shower base channel using a level



## Step 4

When placing a new piece of wallboard on top of an existing one, apply a 10 mm bead of joint sealant along the entire edge of the lower board. Press the new wallboard firmly into the joint sealant and hold against the studs.

Attach the wallboard to the studs with washers and screws using the same method as was used for the rear wallboard at a minimum of 450mm spacing.

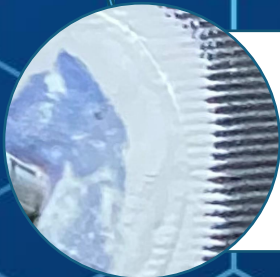
# Guide to Installing Monsoon Wall Sheets



## Step 5

Use the corner spatula to smooth out the excess joint sealant from the seam between the shower base and the wallboard (excess joint sealant can be used in the following steps to cover washers and screws).

Once all wallboard is in place, apply a final bead of 10 mm joint sealant on all wallboard joints, seams, and washers to complete installation. Use a corner spatula for all 90-degree seams and the standard spatula for all flat seams and washers. Ensure there is at least 25 mm of joint sealant on either side of any seam.



## Step 6

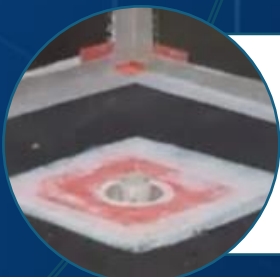
Apply Monsoon SLS Sealant to the surrounding of the shower outlet and mixer tap, ensuring no gaps can be seen between the Monsoon Board and the copper taps. Sealant should be firmly pressed behind the taps until it seeps through and onto the front of the Monsoon Board. Smooth sealant with a spatula to get a flat finish.



## Step 7

Once all sealant has been applied, Monsoon Internal Corner Seals must be placed in all internal corners of the shower area, including 2 corners on the bottom internals of any niches.

Once all corners have been applied, Monsoon Butyl Tape must be placed over all sealant in the shower wet area. Start with the bottom corners connecting the shower base to the shower walls and work your way upwards. The corners must have the Monsoon Butyl tape spread evenly with 40mm on one side and 40mm on the other. All screws must be patched with neatly cut 80mm x 80mm Butyl Tape squares.



## Step 8

Peel off the paper for the butyl backing and apply Monsoon Shower Outlet Seal to the shower outlet, ensuring the orange flange is pushed back as far as possible. Apply additional sealant around the edges and smooth off with a spatula. Following the same instructions, apply the Monsoon Mixer Tap Seal to the mixer tap and smooth off once additional sealant has been applied. Once all sealant has been covered with Monsoon Butyl tape, the installation is complete and ready for tiling.