

INSTALLATION INFORMATION

The Universal shower base is manufactured with a built-in gradient and can be installed on, concrete slab, directly on top of floor joists, on top of a Timber floor or Steel bearers.

Before we start we need to confirm the shower base is “**PROPERLY SUPPORTED**” please check the

- Substrate is level
 - For concrete check the void does not exceed 280mm under the base. ***(This will need to be back filled once the shower base is installed and plumbing is fitted)***
 - For flooring or joists check bearers, joists and trimmers are in good condition and can fully support the shower base (minimum of 280mm centres) there should be no flex anywhere you intend to tile ***(where the base will sit)***. To reinforce structure insert trimmers between joists where necessary.
- ❖ ***Important tip: Substrate needs to be level and base properly supported.***

PREPARING THE AREA FOR THE SHOWER BASE

- Notch out wall plate 10mm and studs 35mm in shower area, (140mm high) to allow the base to be recessed into the wall and your trimmer to fit;
- Use trimmers (70mm x 35mm e.g.) to secure base as construction adhesive cures (4hours).
- For timber floors, check floor joists does not impede with waste and cut no more than 100mm diameter in flooring for waste

You can install shower base by butting it up directly to the wall studs and bringing your wall sheet down on top of the external lip

TRIMMING SHOWER BASE - FOR LEVEL ENTRY OR HOB

- Sides that are not checked into the wall studs may need to be trimmed flush to achieve a level entry shower or trimmed slightly to create a hob or to meet your shower screen height (approx. 50mm).
- You can trim the shower base lip as required using any tools you would for medium density timber i.e. angle grinder, handsaw etc.
- ***(Please note the shower base is manufactured from a water repellent material so trimming will not affect the structural integrity of the product or the water repellent properties)***

INSTALLING THE SHOWER BASE

1. Ensure that the floor is clean, dry and dust free and apply a polyurethane adhesive (Bostik Seal 'n' Flex, Sikaflex 291, Selley's Liquid Nail Direct Stick, Selleys Liquid Nails High Strength or any good quality polyurethane construction adhesive) in a continuous bead at a maximum of 50mm centres under the entire area of the base.
 - A. When fixing to sheet flooring or concrete start and finish glue bead within 20mm of the edge of the base and waste void
 - B. When fixing shower base directly to joists smear a thick bead of glue over all joists and trimmers.

2. Install the shower base by placing it over the glue and bedding (do-not slide the base into position) secure base with weight or ceiling prop until glue is cured.
3. To assist adhesion, thoroughly sand the shower base surface incl. face of the flange with 40grit sand paper.
4. Thoroughly clean shower base with methylated spirits or acetone. Ensure surface is dry, free from dust and loose material or contaminants (oils etc...).
5. Caulk between wall sheet, floor and shower base with a polyurethane construction adhesive (do not use silicone it will not bond to the shower base).
6. Apply a reinforcing fabric with bond breaker into internal angles/corners where the shower base meets the wall and floor junctions and to all vertical corners in the shower (wall to wall junction) to a minimum height of 150mm.
7. The shower tray is manufactured from a water repellent material, a number of tiling adhesives will not bond to the shower tray therefore it is advisable to continue your waterproof membrane over the shower tray this will allow for ease of tiling. It is advisable to conduct a test sample on the membrane before commencing.

The following membranes have been tested with our shower base.

- Crommelin Shower Waterproofing Membrane (refer to manufacturer's instructions)
 - Davco K10 Plus used in conjunction with Davco Ultraprime or Davco Lanko 531 Primer (refer to manufacturers instructions)
 - Ardex WPM 300 + Beaumont Tiles Two part Barrierflex (refer to manufacturer's instructions)
 - If your preferred membrane system is not listed here please conduct a test patch on the shower tray or contact the manufacturer for further information.
8. Contact Waterproofing Membrane manufacturer for recommended tiling adhesives.

FITTING THE WASTE TYPES

Channel Grate

- Fit the Channel Grate into the recess within the base to confirm height of Grate against tiles, you can pack out under the channel with a water proof material to increase the height or a forming polyurethane glue (Fortis AD512), to hold the channel grate in place, use small amounts of a polyurethane construction adhesive (the same size as a 20cent piece) a minimum of 10cm apart to hold the channel grate in place.

Please note do not seal the channel grate in place as any water absorbed into the grout needs to drain down the sides and underneath the channel grate. Sealing the grate will cause the water to dam and the tiles will start lifting or the water will back up into the rest of the bathroom.

- When grouting the gap between the channel grate and tiles, ensure the grout is thick and does not contain excess water.
- Wipe all grout from grate before it dries.

Twist Top Puddle Flange

- Install the twist top into the puddle flange, twist to the height of the tiles and use the square plastic insert when tiling, replace this with your grate when finished (this is to keep the grate clean and scratch free)
- The puddle flange is smooth plastic. It requires the surface to be course so sanding is required. Sand and paint a primer or plumbers glue on the surface of the puddle flange and sprinkled with dry clean sand ready for tiling adhesive application.
- When grouting the gap between the grate and tiles, ensure the grout is thick and does not contain excess water, grout that contains excess water will crack and fall through any gaps.
- Wipe all grout from grate before it dries.
- ***Please note: Do not fill the puddle flange*** with tiling adhesive or grout as any water absorbed into the grout lines or that runs under the tiles, needs to drain down the puddle flange, sealing the flange will cause the water to dam and the tiles will start lifting or the water will back up into the rest of the bathroom.

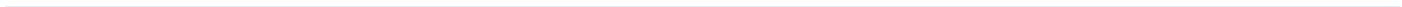
Fitting the Tile In Grate

- Sit the Tile In Grate into the flange in the base confirm height of Grate against tiles, you can pack out under the grate with a water proof material to increase the height or use a forming polyurethane glue (Fortis AD512), to hold the grate in place, use small amounts of a polyurethane construction adhesive (the same size as a 10cent piece) in each corner to hold the grate in place. ***Please note do not seal the grate in place*** as any water absorbed into the grout, needs to drain down the sides and underneath the grate, sealing the grate will cause the water to dam and the tiles will start lifting or the water will back up into the rest of the bathroom.
- When grouting the gap between the grate and tiles, ensure the grout is thick and does not contain excess water.
- Wipe all grout from grate before it dries.

THE SHAPE OF THE BASE

The Universal Shower Base is a moulded product that sometimes presents with a slight bow. This will be easily

straightened with weight. To confirm this stand two people, one on each end of the base. If the base flattens out it is transient. Once the base is glued to the substrate and the glue is cured it will remain in place.

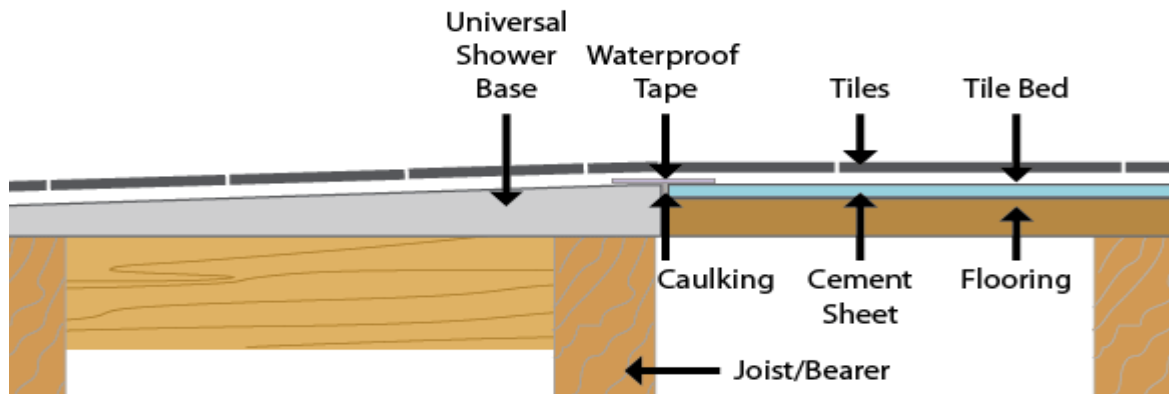


Installation Guide - Drawings

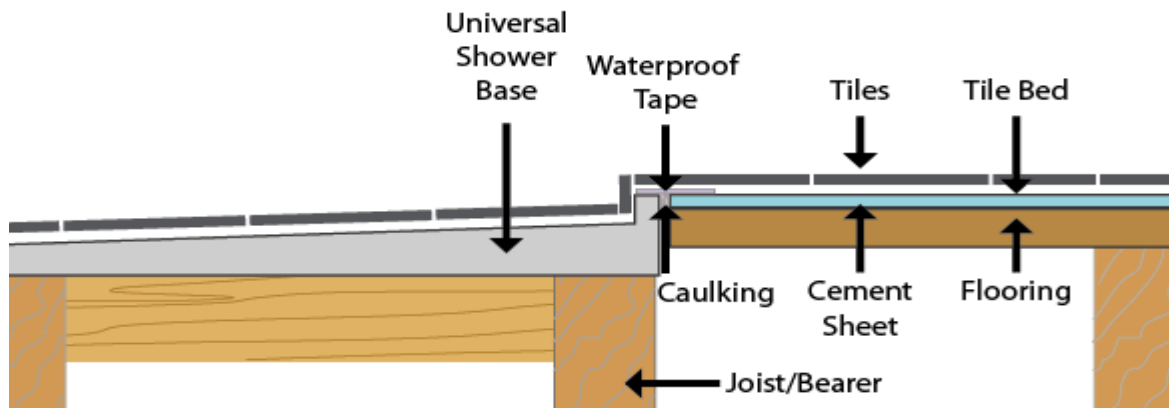
Installation Options

The installation process will vary depending upon the intended finish and or existing conditions to which the shower base may be installed;

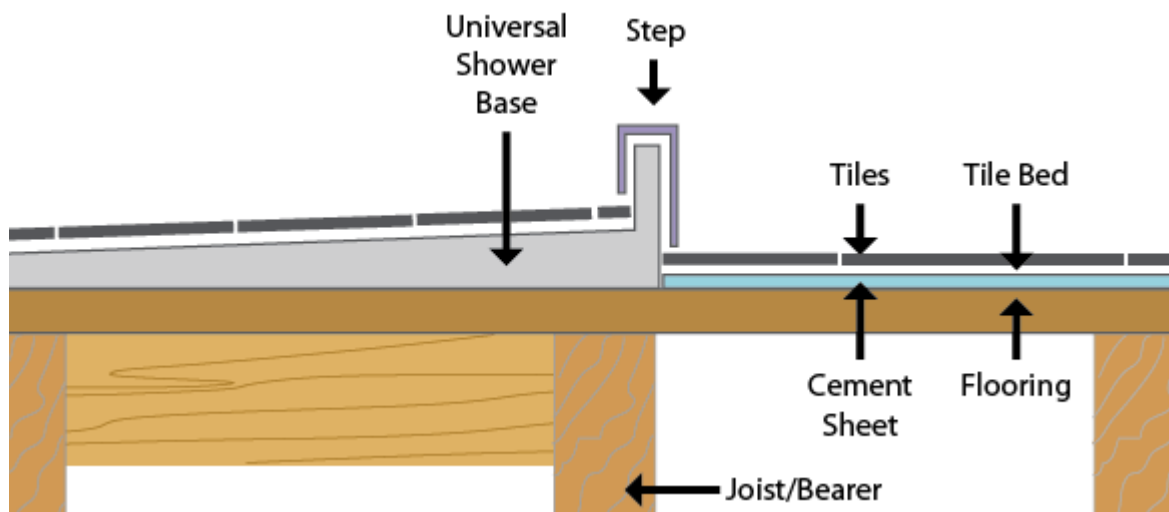
Flush with the finished floor level

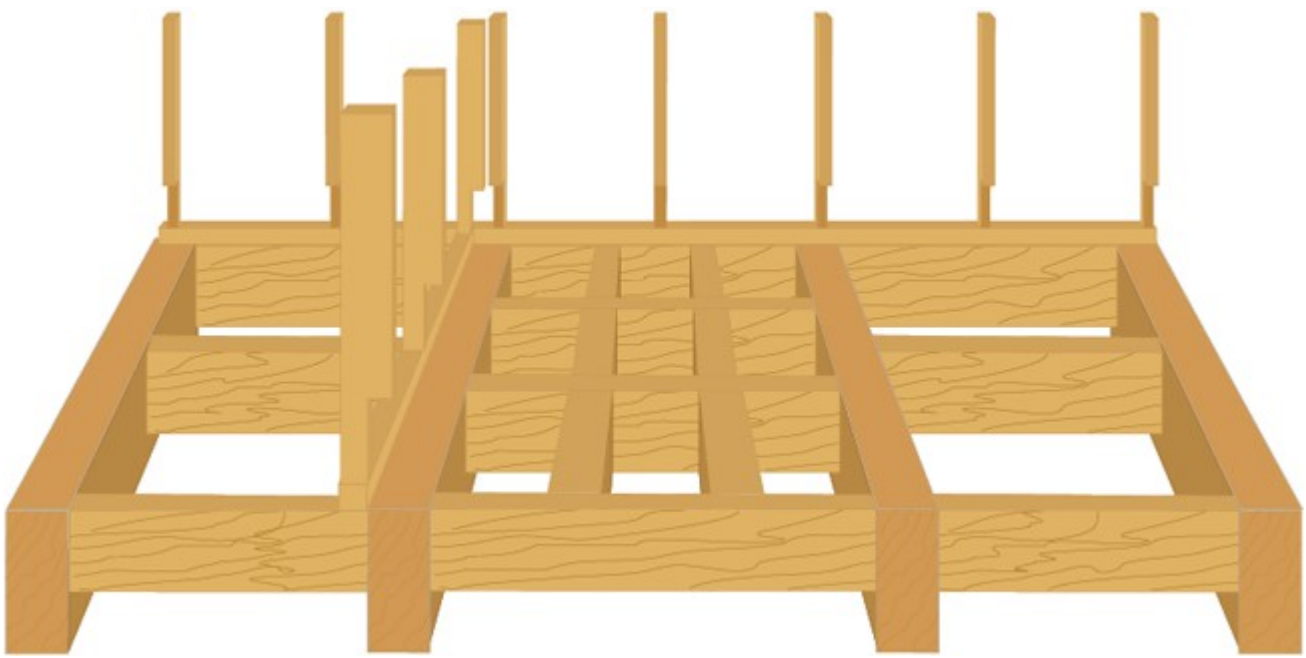
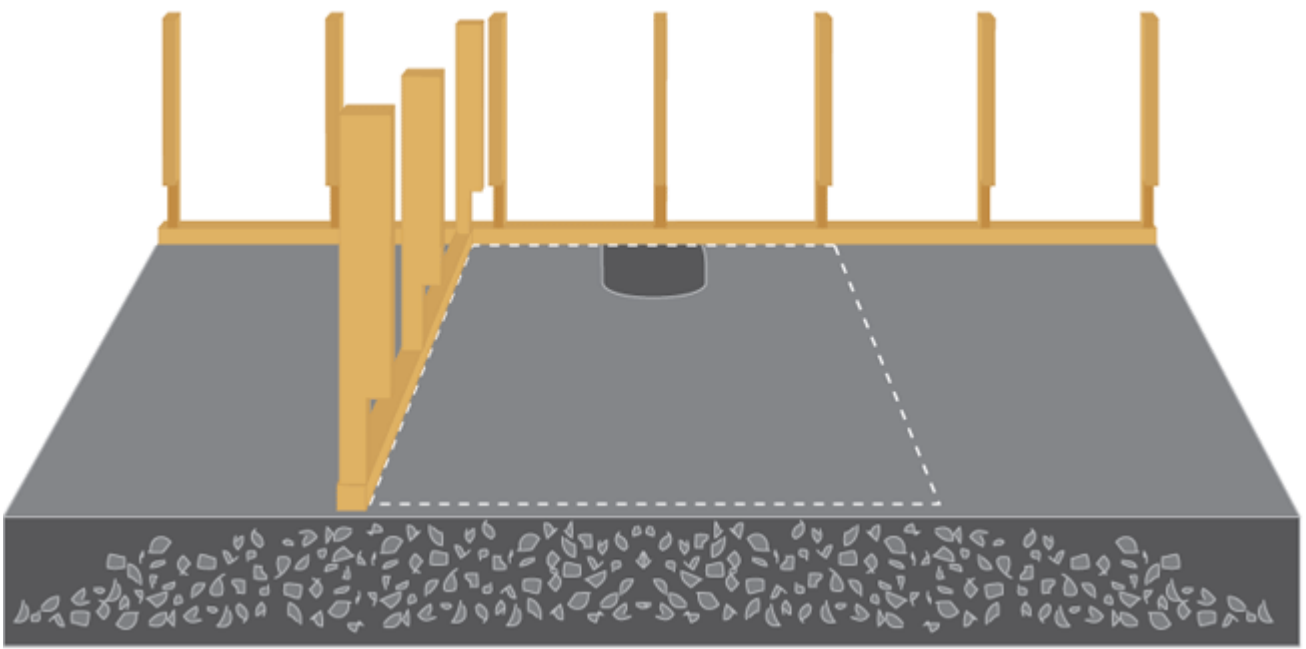


Below the finished floor level

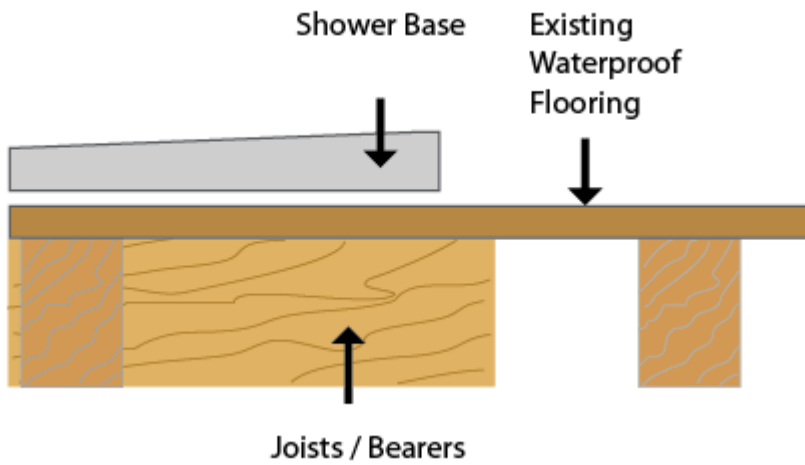


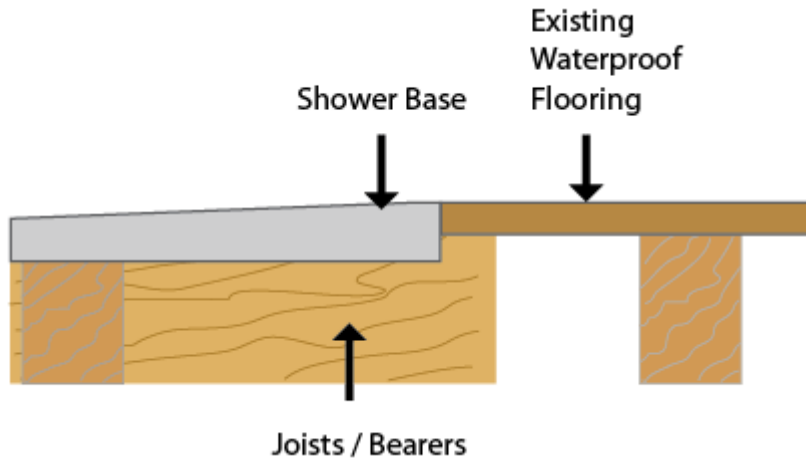
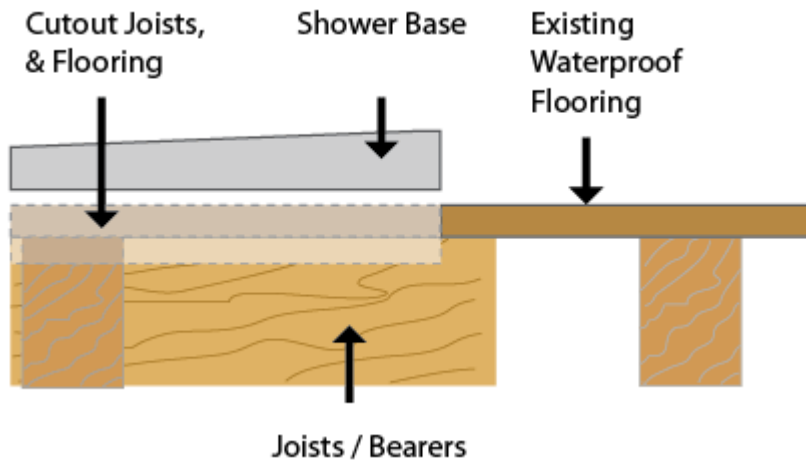
Above the finished floor level



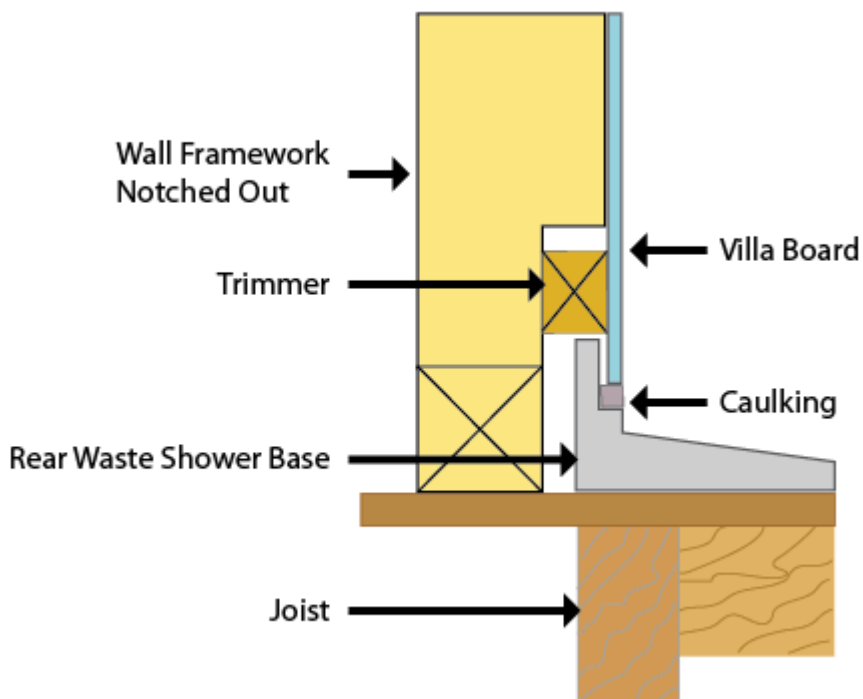
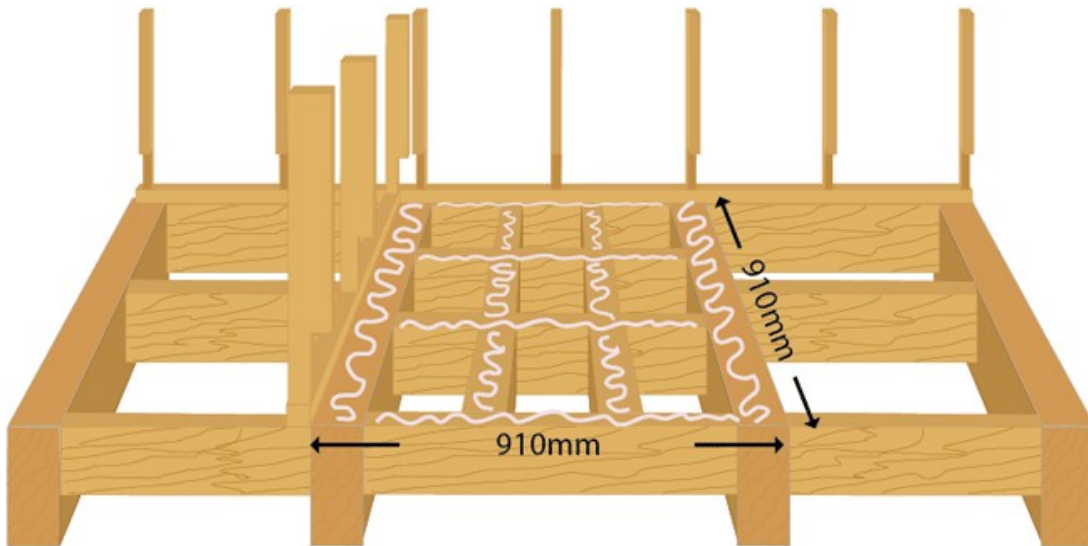
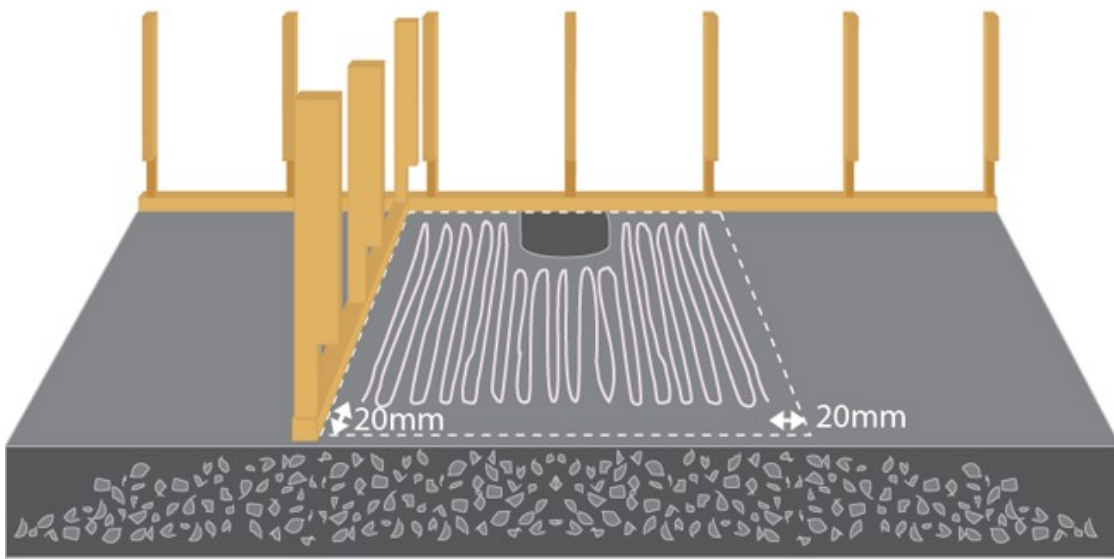


Substrate Floor Figure : Joists & Cement Slab





Substrate Floor Figure 2: creating a rebate



The Universal Shower Base has been designed to meet the demanding needs of modern wet areas. Please go to the website for more information www.universalshowerbase.com.au