SHARPSLOPE INSTALLATION INSTRUCTIONS

wm
wetroom materials

Quick Guide to Essentials

Drain and Sub floor

- Sub floor must be strong and stable before installing.
- Sub floor must be level before installing the SharpSlope Tray - use a spirit level to check.

Waterproofing

- All first fix plumbing must be in place and no voids allowed. All gaps must be filled.
- No moisture can be present in the walls or floor.
- Any floor pipework must be in a fixed set position. (ie. Radiator pipes)
- Use a degreasing agent on the metal flanges of the drain before waterproofing.
- Clean area thoroughly and ensure walls, floor and drain are free from dirt and dust.
- Always test the waterproofing prior to tiling. We recommend plugging drain and floor the area for 24 hours.
- It is highly recommend that the shower walls are waterproofed 2200mm high or above the shower head and the remaining bathroom floor with 100mm up all walls.

No access to the area until waterproofing is completely dry
Floor must be protected with a sheet once dry

Tiling

- A full bed of tile adhesive must be used under all tiles in the wetroom. There should not be any voids under tiles.
- Use LIP Construction Glue to bond the tile to tile insert. The construction glue must have a full and even bed of glue and not dotted with gaps.

Watch Installation Video

Installation Videos
www.wetroommaterials.com and YouTube

Technical Support
UK: +44 (0) 1332 840 820 IRL: + 353 (0) 1 2973488

Before installing
Watch the step by step installation videos
Ensure the drain and boards can fit into the wetroom area

Important

Read all the pages of these instructions fully and thoroughly before you commence installation and keep in a safe location for future reference.

Plumbing
All plumbing works should be carried out by a fully qualified professional plumber. Use the adapter to connect the outlet to pipework.

Sub Floor
It is important that SharpSlope is installed onto a strong, level, stable floor. Movement could affect the performance of your wetroom. SharpSlope is not load bearing, the sub floor must be able to support required weight.

Checklist/Safety Notes
• Check you have all components before installation. If you do not have all the components, do not install and contact your retailer.
• Check all the contents for damage. If any parts are damaged, do not install and contact your retailer.
• Use a spirit level to check that the sub-floor is level prior to installation.
• The linear drain must be installed flat and horizontal.
• Check the location of pipes, electrical cables and all other services prior to drilling, cutting and screwing into walls, ceilings and floors.
• Use drywall screws or adhesive to fix the SharpSlope to the floor.
• Ensure your tools for installation are fit for purpose and follow manufacturer's instructions provided with the tools.
• The area / room must be clean, dust free with first fix plumbing and electrics in place prior to applying the LIP waterproofing membrane.
• The LIP waterproofing membrane should be applied to at least the SharpSlope Tray Board, shower walls and 500mm outside the shower area. Area's that are not tanked will not be waterproofed.
• Always ensure that the Installation area is kept safe, especially from children and pets.
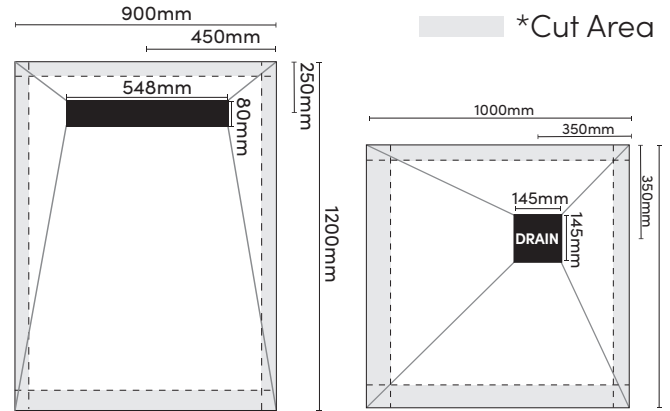• Safety goggles and masks should be worn at all times.

Liability
The Manufacturer will not accept any liability for failure if the SharpSlope has been installed incorrectly and with disregard to the instructions.

SharpSlope linear and Square are easy to fit, durable, preformed wet room tray for wooden and concrete construction together with a waterproofing kit. A drain with a choice of brushed linear stainless steel coloured finishes that can be reversed to create a tile insert.
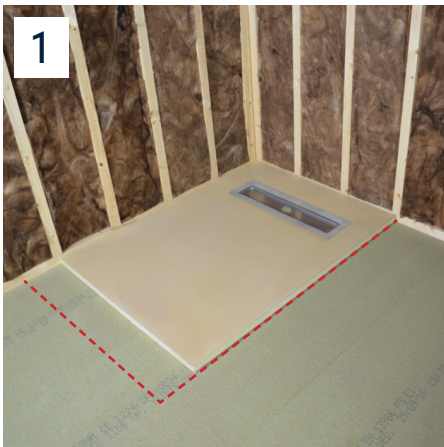
It is essential that you read through these instructions to familiarise yourself with the product and installation method. SharpSlope must be installed by a competent person. SharpSlope and SharpBoard can be cut using a saw

Examples of SharpSlope Linear and Square.

SharpSlope is not suitable for

Tiles that are less than 8mm thick
Tiles that are less that 20mm x 20mm
Vinyl floor coverings
Solvent based and ready mix adhesives
For wet rooms that required mobility shower chairs and wheelchair access, tile must not be smaller than 150 x 150mm

1

Clear the working area from loose debris and grease. Place SharpSlope onto floorboard/ chipboard to allow marking out of the tray perimeter onto the floor. When setting out the position of the tray it is important to remove the floorboard/chipboard past the edge of the tray and back to the centre of the next joist. Check that the position of the drain does not conflict with joists below the floorboard/ chipboard.

2

If the drain conflicts with a joist or other obstruction, the tray sides can be trimmed to alter the drain position. Refer to trimming SharpSlope for details.

3

With the tray position marked out, the floorboard/chipboard can now be removed. Following the markings on the floor cut through the floorboard using an electric saw. Check the saw blade is set to the correct depth to avoid damage to the existing joists or any pipework/electrical cables which may be concealed below.

NOTE: Check the planned position of the drain body is free of obstruction.
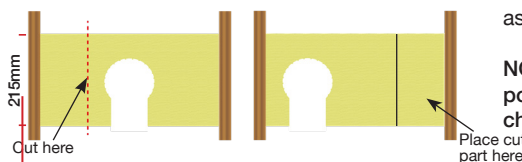
4

To support the drain fitting aid (if ordered) and the drain body, construct a platform to suit the waste position in the tray. It is important to make the platform 215mm wide to match the width of the drain fitting aid. Using screws and glue, securely fix 50mm x 25mm timber battens to the sides of the floor joists then fix a marine plywood supporting base onto the battens.

NOTE: minimum 18mm plywood must be used for joist centres up to 450mm and minimum 22mm plywood must be used for joist centres over 450mm up to 600mm.

5

It is important when setting out the supporting platform to allow for the thickness of the drain fitting aid ensuring that it finishes flush with the top of the floor joists.

The drain fitting aid can be trimmed to suit the drain position of SharpSlope.

Cut here

Place cut part here

Example of drain fitting aid alteration.
Fitting aid is sold separately.

6

Once the platform is installed, place the drain fitting aid and drain body into position. Using 1½" fix the waste pipe into the drain body using a suitable solvent weld.

It is important at this stage to check for any leaks, as you may not be able to return to this assembly at a later date.

NOTE: Before any glue is applied, the position of the drain fitting aid must be checked by placing SharpSlope in place.

7

With the drain body and waste route now installed and tested, a structural platform to support SharpSlope must be fitted. This is achieved by securely fixing 50mm x 25mm timber battens to the sides of the floor joists. Position the battens below the top of the joists so that the Plywood platform finishes flush with the top of the joists. The battens should be fixed using glue and screws to the supporting joists.

NOTE: minimum 18mm plywood must be used for joist centres up to 450mm and minimum 22mm plywood must be used for joist centres over 450mm up to 600mm.
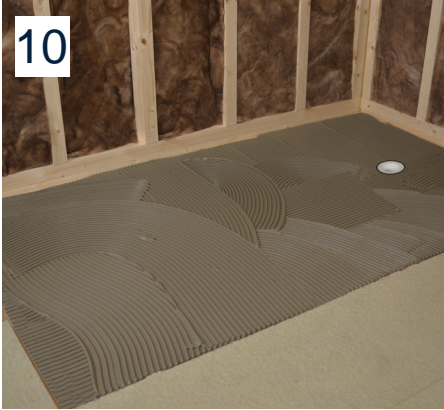
8

With the battens secured, the plywood support platform must be fixed between the joists to support the entire base SharpSlope. The plywood should be screw fixed to the 50mm x 25mm timber battens and should now finish flush with the top of the floor joists. Place the stainless steel cover plate over the void in the drain fitting aid.

9

With the structural platform complete it is important to check the alignment of the drain body and the drain aperture in SharpSlope. Make sure they are perfectly aligned and if necessary adjust accordingly. SharpSlope should now fit onto the newly created platform but sit slightly proud of the remaining floor area. During preparation of the floor area, excess floorboard/chipboard may have been removed back to the next joist centre. This can be backfilled using marine plywood at the necessary thickness to suit.

Depending on the thickness of SharpSlope, the height difference between tray and the surrounding floorboards can vary. This difference will be made level at a later stage by fixing SharpSlope over the surrounding floor area.

With the installation of the supporting platform fully prepared and all checks complete, the SharpSlope can now be fixed into place. SharpSlope is permanently fixed in place using a good quality, cement based rapid setting flexible tile adhesive. Apply the adhesive with a thick bed notched trowel to the area where SharpSlope is to be placed.

Be sure to apply adhesive over the stainless steel cover plate. When applying the adhesive around the drain it is important to leave a 10mm gap between the adhesive and the main rubber seal of the drain body.

NOTE: Should any adhesive come into contact with the rubber seal of the drain body, remove seal immediately and clean thoroughly with water before continuing.

With care place SharpSlope into the adhesive. Make sure the rubber seal of the drain remains firmly seated on the drain body. Apply moderate pressure to the entire surface of the tray and around the drain aperture, making sure there are no hollow spots beneath the tray.

Using a spirit level make sure SharpSlope is perfectly flat and level around perimeter. If SharpSlope is set out of level, water will not flow to the drain correctly.

Using the securing tool supplied with the drain, screw the threaded waste collar into the drain body before the adhesive hardens. Care must be taken to fully tighten the assembly to ensure a watertight seal is achieved.

The securing tool should be left within the drain body at this stage to protect against debris falling into the drain during tiling and grouting.

With SharpSlope fixed into the adhesive, the surrounding floor area can now be overlaid with SharpBoard. It is very important that the existing floorboard/chipboard must be securely fastened to the joists using suitable screws. If previously fixed with nails, additional screws should still be used.

SharpBoard is available in 6, 12.5 and 20mm thicknessed. SharpBoard is usually sufficient to level the surrounding floor to the tray. SharpBoard can be fixed to wooden floors using cement based rapid setting flexible tile adhesive. Tile adhesive thickness can be adjusted so SharpBoard and SharpSlope is level.

The existing floor surface must be primed with a suitable floor primer (refer to adhesive packaging for instruction.) Apply a solid bed of adhesive using a thick bed notched trowel and firm down the SharpBoard into the adhesive bed.

The boards should be laid in a brick bond fashion to stagger joints and checked to ensure all boards are level.

NOTE: It is important to apply joint bridging mesh or waterproofing tape to all joints and abutments prior to tiling. Ready mixed or solvent based tile adhesive MUST NOT be used.

15

We highly recommend that all walls in the shower area are lined with SharpBoard, creating a completely insulated, waterproof solution ready for the application of tiles.

Apply a 5mm bead of Construction Glue where SharpSlope meets the walls, and also at internal wall to wall joints within the shower zone. If there are any joints or gaps greater than 5mm wide we recommend filing the gaps with a cement based tile adhesive before applying Construction Glue.

16

Using a suitable brush or roller, apply 1st layer of waterproofing membrane to all movement joints i.e. floor and wall joints and joints between SharpBoard and SharpBoard / SharpSlope. Ensure the layer is thin and flat, apply reinforcement tape onto the 1st coat. Apply 2nd coat of waterproofing membrane.

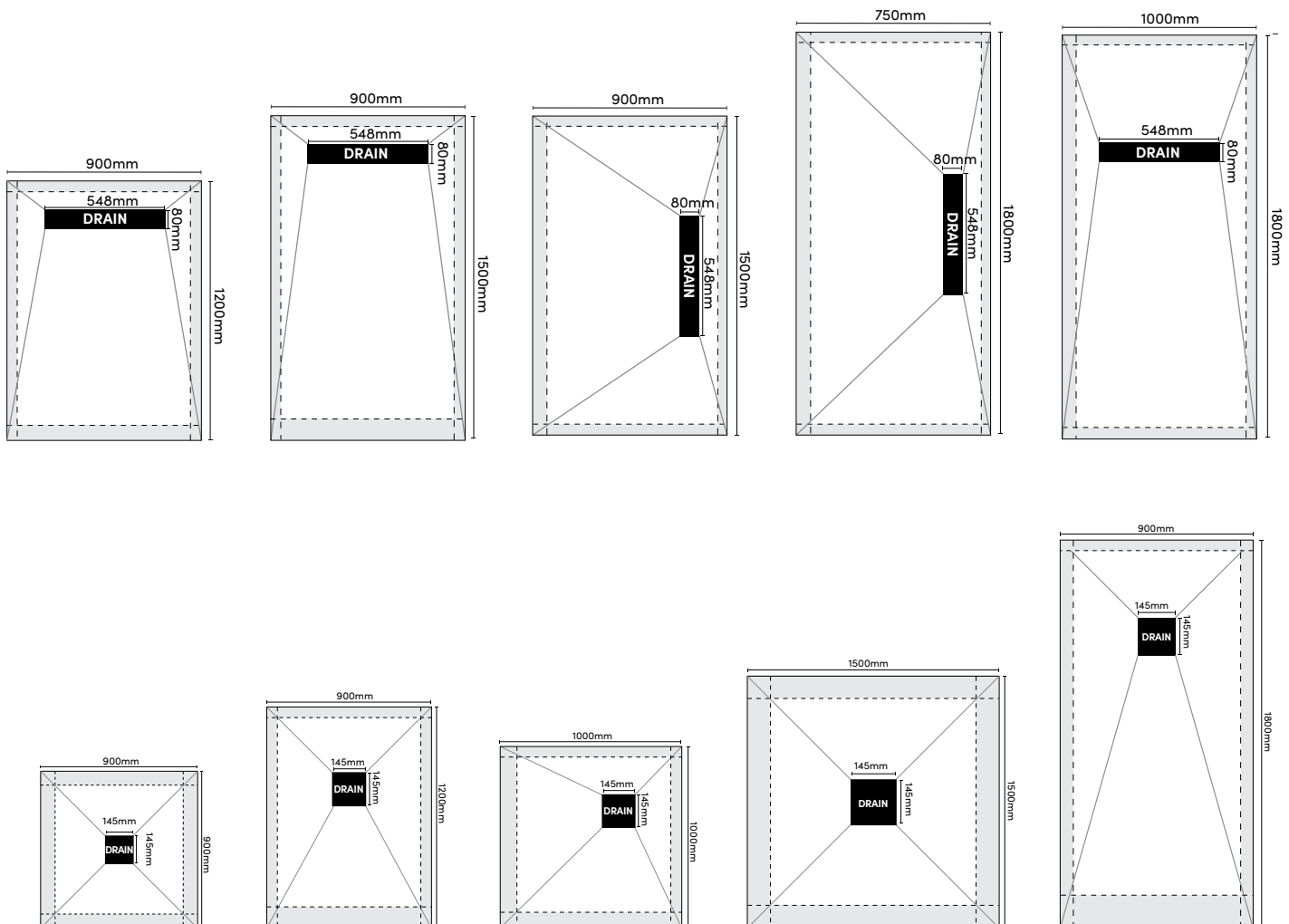Membrane should cover all reinforcement tape and should be at least 15mm past the tape.

17

Once dry, apply an additional coat of membrane to the same areas and allow to dry.
Do not tile until completely dry.

Trimming SharpSlope

SharpSlope Linear and Square can be trimmed down to size. When tiling, ensure that the tiles are sloping correctly towards the drain.
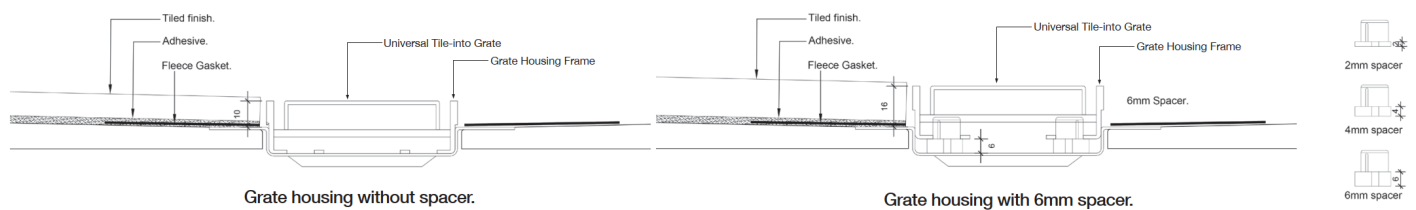
Tiling SharpSlope

SharpSlope Linear and Square have been designed with a height adjustable grate housing frame that provides great flexibility for the installer when applying tiles and installing electric under tile heating.
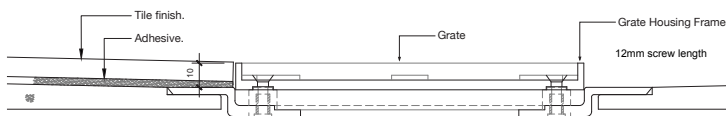
The adjustable grate housing frame can be easily modified to suit tiles as thin as 8mm and up to 15 mm thick. The frame can also be adjusted to accommodate electric under tile heating systems. SharpSlope linear and Square can be used as tile insert or panel except SharpSlope Sqaure Frame & Grate
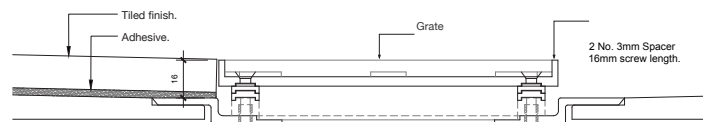
SharpSlope Linear

Grate housing without spacer.

Grate housing with 6mm spacer.
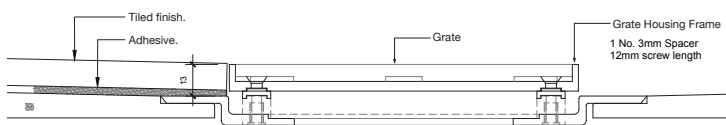
2mm spacer

4mm spacer

6mm spacer

SharpSlope Square

8-10mm Tile
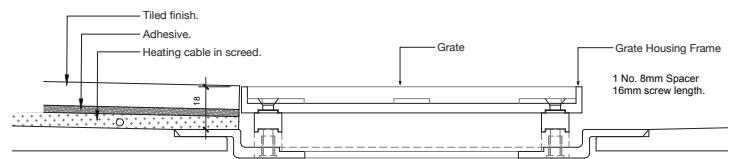
13-15mm Tile

10-12mm Tile

Example with Underfloor Heating

Consideration must be given to the following when choosing tiles: For wheelchair access, tiles with a surface area no smaller than 150mm x 150mm should be used, for bare foot traffic, tiles should be no smaller than 20mm x 20mm and 8mm thick. Complete the tiling of the floors and walls and grout the joints. Grouting should be carried out using a suitable waterproof cement or Epoxy grout. Note: Ready Mixed or Solvent based adhesives must NOT be used. Take care when installing shower screens and shower hardware which will be required to complete your wet room area.

Underfloor Heating

SharpSlope and SharpBoard are suitable for use with electric underfloor heating systems. Only use electric heating systems that are rated IPX7 in wet room environments.Fix tiles using a good quality, cement based, rapid setting, flexible tile adhesive. If using large format tiles, we recommend that you start by laying the tiles working from the corners of the fitted frame to the external corners of the tray carefully cutting the tiles to match the inbuilt falls in SharpSlope.