TILE TRAY

INSTALLATION GUIDE

marbletrend

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING.
FAILURE TO FOLLOW THE INSTRUCTIONS WILL VOID WARRANTY

It is the responsibility of the installer of this Marbletrend Tile Tray to check the local building regulations in relation to waterproofing and installation.
These instructions are recommendations only. It is the responsibility of the installer to ensure a watertight seal between the tile tray and a puddle flange and waste outlet.

INSTALLATION ON TIMBER FLOORS
Ensure sub-floor is sound and if necessary replace any timber that may be affected by damage or rotting. If installing direct onto floor joists ensure that the sub-floor id strengthened as shown in Diagram 1.

INSTALLATION OF TILES
To ensure correct tile adhesion the tray must be clean from dirt and dust (methylated spirits is a recommended cleaning medium). For direct fixing of tiles to the tray epoxy based adhesives are recommended.

CUTTING INSTRUCTIONS
If the tray needs to be cut down a diamond blade is recommended. Any cutting should be only be done in a well ventilated area. Eye protection and dust mask should be used.

HOB
Note that the hob is shown on the inside of the tray, this is the preferred method if using a Marbletrend shower screen.

FLOOR JOIST DETAIL
FOR DIRECT INSTALLATION ONTO JOISTS

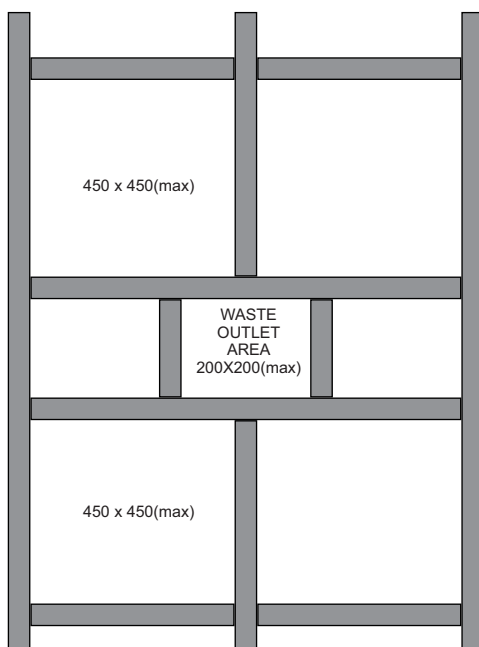450 x 450(max)

WASTE
OUTLET
AREA
200X200(max)

450 x 450(max)

DIAGRAM 1

SUPPORTING STRUCTURE
450mm centres on joists to be trimmed out as the Tile Tray can span no grater than 450 x 450. Floor joists and trimmers must be flat and level - planing or sanding any ridges is required before tray installation.

OUTLET INSTALLATION
Where Puddle-Flange is not supplied, use a standard 80 x 50mm Puddle-Flange.
Run a continuous bead of silicone to the underside of a puddle flange rim and fit to tray outlet ensuring there is enough silicone for a waterproof seal. To secure the puddle flange in place use at least 4 screws through the puddle flange into the tile tray.
Use a suitable waste outlet.

TILE TRAY

INSTALLATION GUIDE

TILE TRAY WASTE CONNECTIONS

SUSPENDED/TIMBER FLOOR

Note: Tile Tray shown installed directly onto joists, same method applies to any other suspended floor application
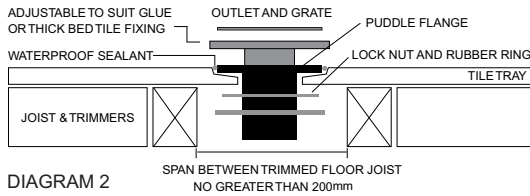

ADJUSTABLE TO SUIT GLUE OR THICK BED TILE FIXING
OUTLET AND GRATE
PUDDLE FLANGE
WATERPROOF SEALANT
LOCK NUT AND RUBBER RING
TILE TRAY
JOIST & TRIMMERS

DIAGRAM 2

SPAN BETWEEN TRIMMED FLOOR JOIST NO GREATER THAN 200mm

SLAB ON GROUND

Note: This method can be used for installations where access under the floor is floor is restricted and connection is difficult.

ADJUSTABLE TO SUIT GLUE OR THICK BED TILE FIXING
OUTLET AND GRATE
PUDDLE FLANGE
WATERPROOF SEALANT
LOCK NUT AND RUBBER RING
TILE TRAY
CONCRETE
30mm

DIAGRAM 3
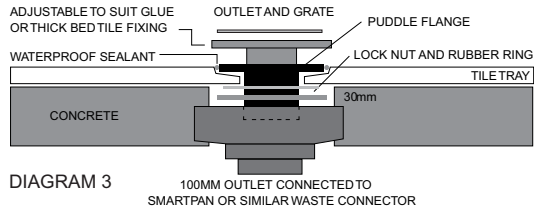
100MM OUTLET CONNECTED TO SMARTPAN OR SIMILAR WASTE CONNECTOR

TIMBER FLOOR INSTALLATION (DIAGRAM 2)

Ensure the area is level, permitting water to flow to the waste outlet when the tray is installed (the tray has an in-built fall to the waste).

The Tile Tray may be installed on a 10mm mortar bed or fixed to the floor with silicone. If installing on silicone apply a continuous bead to the underside of the tray.

Silicone must be applied to a clean surface to ensure good adhesion.

The tray must have full base support with a maximum unsupported ared around the waste outlet of 200 x 200(see Diagram 1).

CONCRETE FLOOR INSTALLATION (DIAGRAM 3)

Ensure the area is level, permitting water to flow to the waste outlet when the tray is installed (the tray has an in-built fall to the waste).
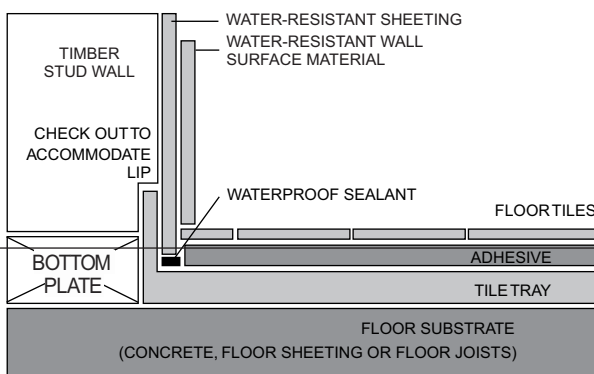
The Tile Tray may be installed on a 10mm mortar bed or fixed to the floor with silicone. If installing on silicone apply a continuous bead to the underside of the tray.

Silicone must be applied to a clean surface to ensure good adhesion.
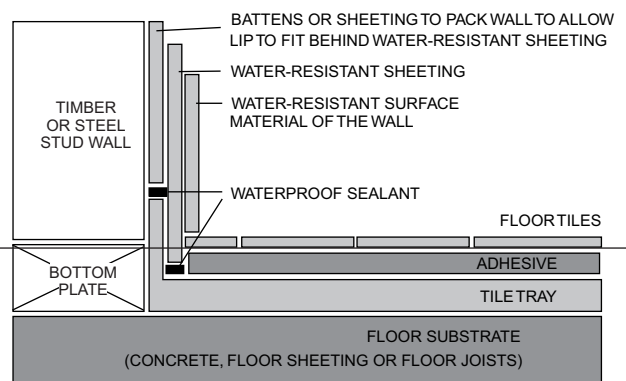
Marbletrend recommend IPLEX Smartseal/Smartpan be used for new construction. If Smartseal is not used ensure that the unsupported area under the waste outlet does not exceed 200 x 200mm. The Smartseal should be installed 30mm below the floor surface to allow for the waste locking nut.

TILING SOLUTIONS

STUD FRAME - CHECK IN WALL JUNCTION

TIMBER STUD WALL
CHECK OUT TO ACCOMMODATE LIP
WATER-RESISTANT SHEETING
WATER-RESISTANT WALL SURFACE MATERIAL
WATERPROOF SEALANT
FLOOR TILES
BOTTOM PLATE
ADHESIVE
TILE TRAY
FLOOR SUBSTRATE (CONCRETE, FLOOR SHEETING OR FLOOR JOISTS)

STUD FRAME - NON CHECK IN WALL JUNCTION

TIMBER OR STEEL STUD WALL
BATTENS OR SHEETING TO PACK WALL TO ALLOW LIP TO FIT BEHIND WATER-RESISTANT SHEETING
WATER-RESISTANT SHEETING
WATER-RESISTANT SURFACE MATERIAL OF THE WALL
WATERPROOF SEALANT
FLOOR TILES
BOTTOM PLATE
ADHESIVE
TILE TRAY
FLOOR SUBSTRATE (CONCRETE, FLOOR SHEETING OR FLOOR JOISTS)

DOUBLE BRICK / SOLID BLOCK - NON CHECK IN WALL JUNCTION

MASONRY WALL
BATTENS, SHEETING, RENDER TO PACK WALL TO ALLOW LIP TO FIT BEHIND WATER-RESISTANT SHEETING
WATER-RESISTANT SHEETING/RENDER
WATER-RESISTANT SURFACE MATERIAL OF THE WALL
WATERPROOF SEALANT
FLOOR TILES
ADHESIVE
TILE TRAY
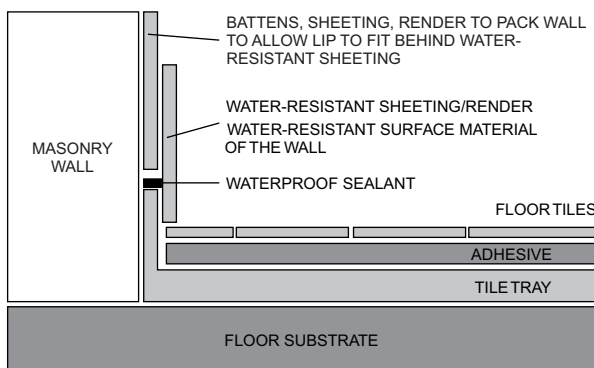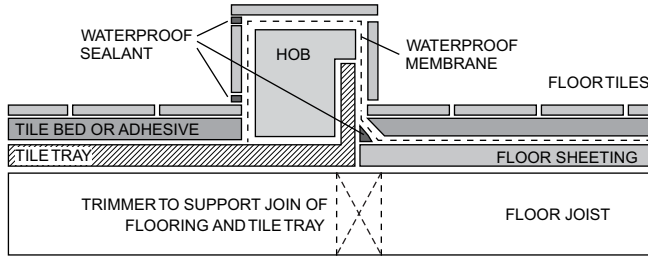FLOOR SUBSTRATE

DIAGRAM 4

TILE TRAY

INSTALLATION GUIDE

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FLOOR JUNCTIONS

HOBBED - TRAY INSTALLED DIRECT TO FLOOR JOIST

WATERPROOF SEALANT
HOB
WATERPROOF MEMBRANE
FLOOR TILES
TILE BED OR ADHESIVE
TILE TRAY
FLOOR SHEETING
TRIMMER TO SUPPORT JOIN OF FLOORING AND TILE TRAY
FLOOR JOIST

TIMBER MUST NOT BE USED FOR HOB

HOBBED - TRAY INSTALLED ON CONCRETE OR SHEET FLOORING

WATERPROOF SEALANT
HOB
WATERPROOF MEMBRANE
FLOOR TILES
TILE BED OR ADHESIVE
TILE TRAY
TILE BED OR ADHESIVE
FLOOR SUBSTRATE (CONCRETE)
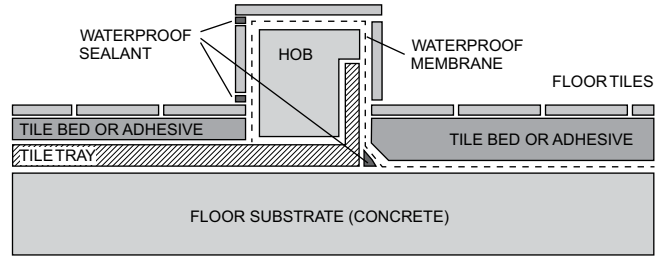
TIMBER MUST NOT BE USED FOR HOB

HOBLESS - TRAY INSTALLED DIRECT TO FLOOR JOIST

WATERPROOF SEALANT
CUT DOWN TRAY TO SUIT FINISHED FLOOR HEIGHT
WATERPROOF MEMBRANE
FLOOR TILES
TILE BED OR ADHESIVE
TILE TRAY
TILE BED OR ADHESIVE
FLOOR SHEETING
TRIMMER TO SUPPORT JOIN OF FLOORING AND TILE TRAY
FLOOR JOIST

EXPANSION JOINT
CUT DOWN TRAY TO SUIT FINISHED FLOOR HEIGHT
WATERPROOF SEALANT
WATERPROOF MEMBRANE
FLOOR TILES
TILE BED OR ADHESIVE
TILE TRAY
TILE BED OR ADHESIVE
FLOOR SHEETING
TRIMMER TO SUPPORT JOIN OF FLOORING AND TILE TRAY
FLOOR JOIST

HOBLESS - TRAY INSTALLED DIRECT ON CONCRETE SLAB

EXPANSION JOINT
CUT DOWN TRAY TO SUIT FINISHED FLOOR HEIGHT
WATERPROOF SEALANT
WATERPROOF MEMBRANE
FLOOR TILES
TILE BED OR ADHESIVE
TILE TRAY
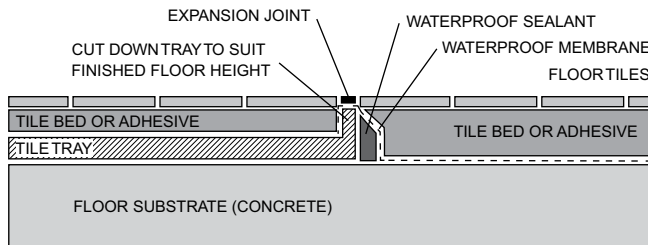TILE BED OR ADHESIVE
FLOOR SUBSTRATE (CONCRETE)

DIAGRAM 5

SMARTSEAL/SMARTPAN FITTING

1. Seal waste fitting to tray and tighten.
2. Fit the stainless steel ring to the inside of the rubber Smartseal (about half way down the upstand).
3. Apply a bead of silicone to the inner ledge of the Smartpan.
4. Carefully position the Smartseal into the Smartpan (with the ring facing up) and push down onto the ledge of the Smartpan. The ring should be pushed down firmly into the corner of the Smartpan (use a piece of wood or similar being careful not to puncture the Smartseal).
5. In the correct location cut a hole in the Smartseal 10mm smaller than the OD of the waste fitting - note that this must be a minimum of 20mm from the edge of the Smartpan ledge.
6. Cut a hole in the polystyrene disc to accommodate the waste and place on top of the Smartseal - this prevents the flexible Smartseal from lifting in the unlikely event of backpressure from the sewer line.
7. Apply silicone sealant to the waste outlet thread and lower the tile tray onto the Smartpan - the threaded waste may need to be cut to length to permit correct discharge into the Smartpan

SMARTSEAL

SMARTPAN

DIAGRAM 6

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Warranty
For Warranty terms and conditions
visit www.marbletrend.com.au

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