TILE TRAY INSTALLATION GUIDE

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING. FAILURE TO FOLLOWINSTRUCTIONS WILL VOID WARRANTY.
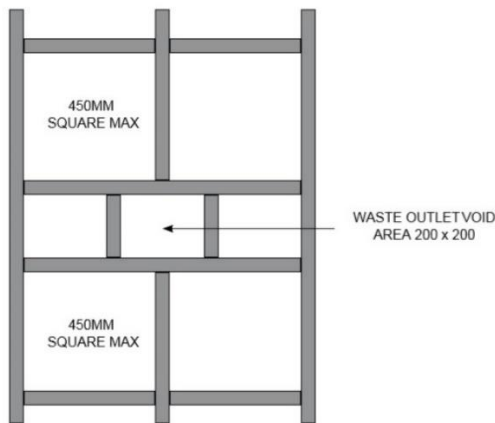
It is the responsibility of the installer of the ECT tile tray to check with local building code in relation to waterproofing and installation. These instructions are recommended method only. The installation of the puddle flange and outlet is the responsibility of the installer to ensure a water tight seal between tray and puddle flange, ECT can only supply recommended methods of installation.

1. **PREPARATION**
   - Ensure surface is level
   - Check condition of substrate, replace any timber that may be effected by weather damage or rotting
   - Remove excess dust prior to installation. Methylated Spirits will assist with good adhesion.
   - Mark and cut out position of base.
   - Mark out position of outlet

2. **INSTALLATION TO TIMBER FLOOR**
   We recommend the tile tray to be installed on a 10mm mortar bed. If installing on silicone apply a continuous bead to the underside of the tray. Ensure the silicone has a clean surface to adhere too. Make sure timber joists is strengthened as per diagram. 450mm centres on joists to be trimmed out. Floor joists and trimmers must be flat, planning or sanding off any ridges is recommended before installation. Trim edges of base to support join of flooring and tile tray.3. 3.

450MM SQUARE MAX

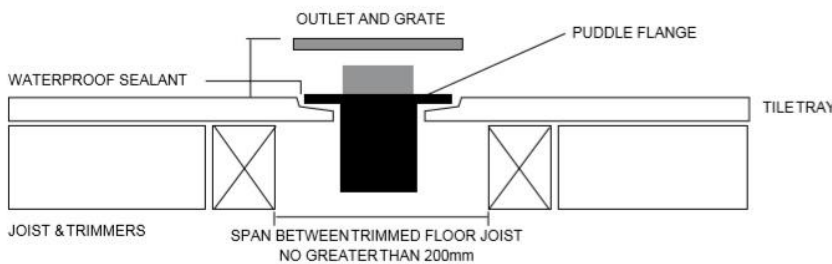450MM SQUARE MAX

WASTE OUTLET VOID AREA 200 x 200

> If the tray requires trimming, it is recommended to use a diamond saw blade in a well ventilated area. It is recommended that appropriate Personal Protective Equipment is worn such as Eye protection and dust mask.
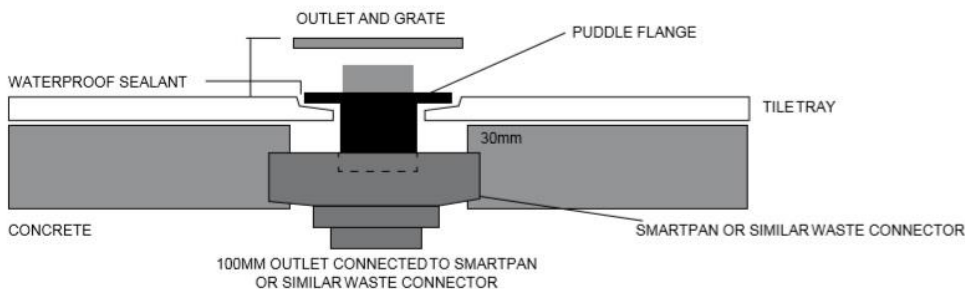
3. **TILE TRAY WASTE CONNECTIONS:**

   SUSPENDED FLOOR
   Note; Tile Tray shown direct to joist, however same method applies to any other suspended floor application.

OUTLET AND GRATE   PUDDLE FLANGE
WATERPROOF SEALANT   TILE TRAY
JOIST & TRIMMERS
SPAN BETWEEN TRIMMED FLOOR JOIST NO GREATER THAN 200mm

> Please put S/S fixing screws and SIKAFLEX F11 to secure the puddle flange onto the tile tray

   SLAB ON GROUND
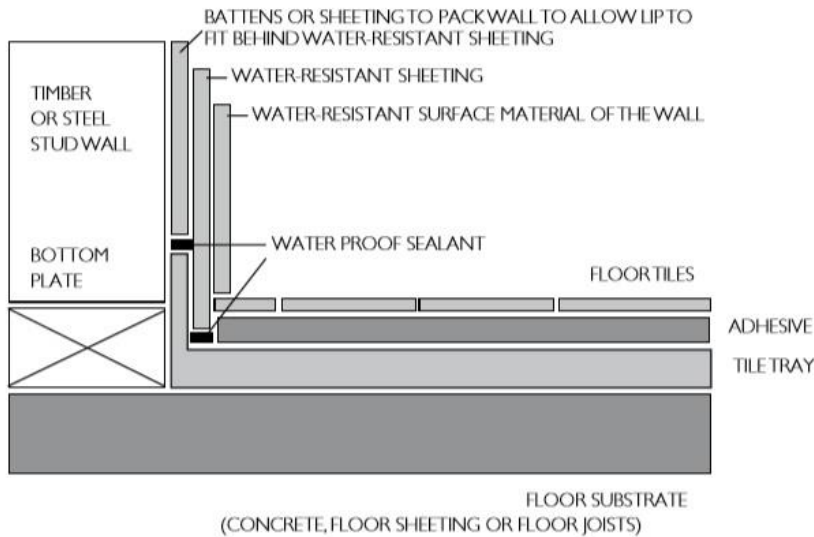   Note; This method can be used for any application where access under the floor is restricted and connection is difficult.

OUTLET AND GRATE   PUDDLE FLANGE
WATERPROOF SEALANT   TILE TRAY
30mm
CONCRETE   SMARTPAN OR SIMILAR WASTE CONNECTOR
100MM OUTLET CONNECTED TO SMARTPAN OR SIMILAR WASTE CONNECTOR

4. STUD FRAME

NON CHECK IN WALL JUNCTION

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

TIMBER OR STEEL STUD WALL

BOTTOM PLATE

WATER PROOF SEALANT

FLOOR TILES

ADHESIVE

TILE TRAY

FLOOR SUBSTRATE
(CONCRETE, FLOOR SHEETING OR FLOOR JOISTS)

STUD FRAME - CHECK IN WALL JUNCTION

WATER-RESISTANT SHEETING

WATER-RESISTANT SURFACE MATERIAL OF THE WALL

TIMBER STUD WALL

CHECK OUT TO ACCOMMODATE LIP

WATER PROOF 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

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

WATER PROOF SEALANT

FLOOR TILES

MASONRY WALL

ADHESIVE

TILE TRAY

FLOOR SUBSTRATE

INSTALLAITON TO CONCRETE FLOOR.

Ensure the area is level and allow water to flow to outlet when tray is installed (tray has in built fall to waste).
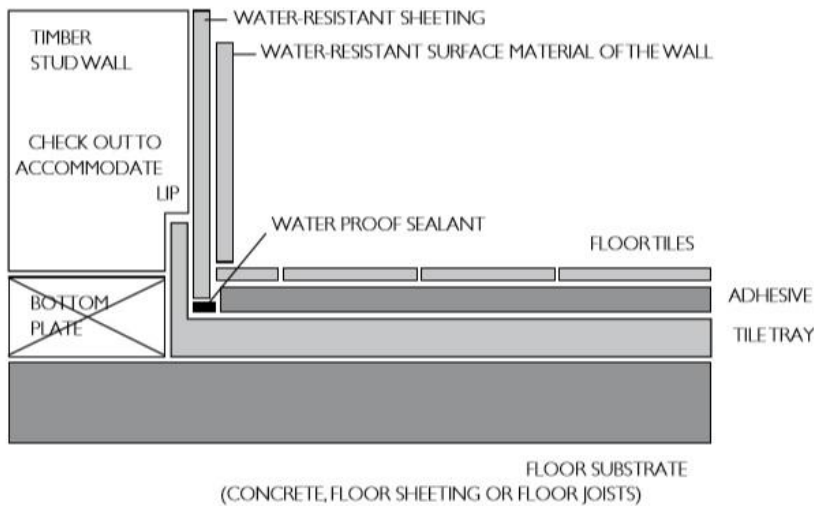
Tray can be installed on mortar bed if required.

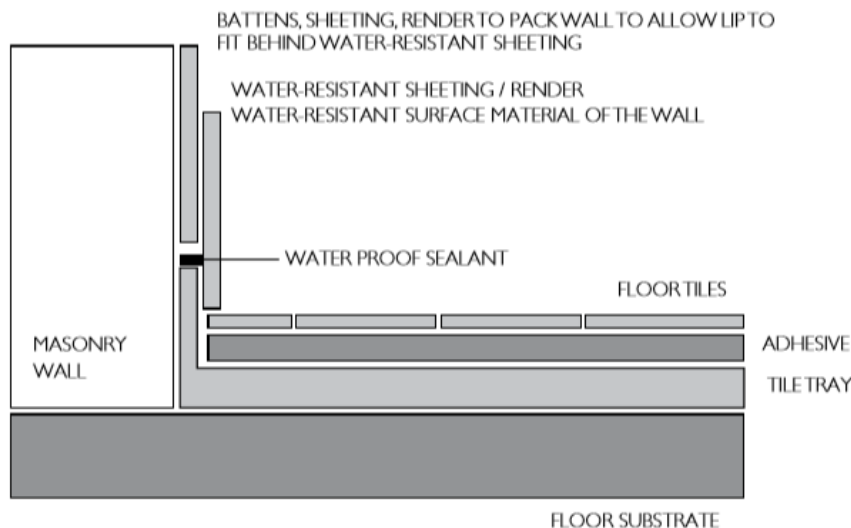Void area around outlet can be no greater than 300*300mm.

If installing on silicone apply a continuous bead to the underside of the tray. Ensure the silicone has a clean surface to adhere to.

Refer to the installation instruction for smartseal outlet, it is recommended the smartseal be installed 30mm below floor surface to allow for locking nut. Note: We recommend IPLEX Smartseal be used for new construction. If Smartseal is not used ensure void area under waste outlet does not exceed 300*300mm.

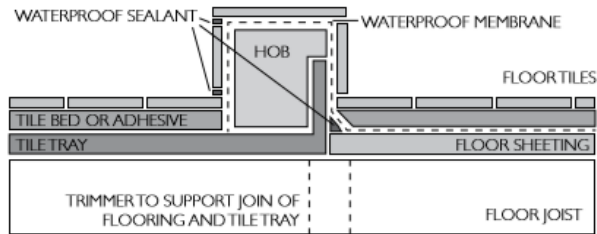All the joints between the tile tray and floor/walls must be waterproofed. The tile tray is made of waterproof material hence does not require waterproofing. It is recommended that all work be carried out by a certified water proofing technician.
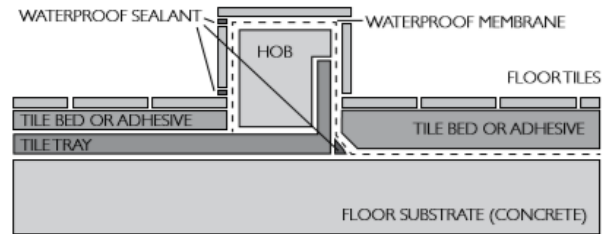
5. FLOOR JUNCTIONS:
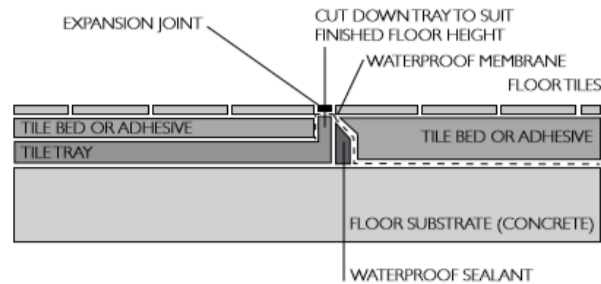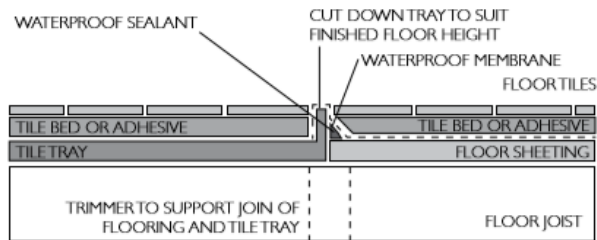

HOBBED - TRAY INSTALLED DIRECT TO FLOOR JOIST

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
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 BED OR ADHESIVE
TILE TRAY — FLOOR SHEETING
TRIMMER TO SUPPORT JOIN OF FLOORING AND TILE TRAY — FLOOR JOIST

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

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

6. RECOMMENDED ADHERSIVES:

For adhering tray to timber/steel substrate: Sikaflex-11FC, Ardex RA88, Dunlop Buildrs Bond, Selleys Proseries, Selleys 3 in 1, Mapeiflex PU45.

For Tiling:

The tiles can be directly bonded to tile tray with following products: Prohesive Ultrapro (also know as MCB A100), Ardex WA100, Ardex Abaflex X77+/-E90, Ardex Abaflex X18+/-E90, Ardex STS8+E90, Dunlop Tile-All, Mapei Kerapoxy 410, Davco Flexible CTA Pre-mixed.

The surface of the tray can be primed with following products: Aqua Blok Moisture seal, Ardex WPM300+Broadcast Sand, Ardex Abapoxy+Broadcast Sand, Ardex P9 Single Par Primer, Gripset Betta Prime All, Davco Ultraprime, Dunlop Primer & Additive.

The following Adhesives are recommended for lay tiles onto the primed surface: Ardex Abaflex, Ardex X56, Ardex STS8+Ardex E90, Ardex X77+E90, Ardex Quickbond+ Abalastic

7. WARRANTY

ECT Tile Tray comes with a 7 year manufacturers warranty against faulty material and workmanship. Failure to follow these instructions will void the warranty.