

Stile Shower

INSTALLATION INSTRUCTIONS



Impresa Tile Showers Ltd.
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SHOWER INSTALLATION

STEP 1

FRAMING

Ensure framing is plumb or no greater than 10mm out of plumb.

Ensure the floor is no greater than 5mm out of level.

Install a row of nogs around tray height to allow fixing for bottom of wet-wall lining.

Install nogs as required if a Quik Niche is to be utilised.



WASTE-TRAP POSITION / INSTALLATION

The shower tray is to sit 6mm away from the wall framing.

To determine the centre of the tray easy-clean waste-trap, either add 6mm to the measurement of the position of the waste hole in the shower tray and mark onto the bathroom floor or simply place the tray onto the floor 6mm away from the framing.

Connect the waste pipe and waste-trap to the correct lateral positions. The floor is to be no more than 5mm out of level. If the plywood floor is to be made level, ensure the trap height is correct once the floor plywood and tray have been installed. For timber / plywood floor installations, and where access is available under the floor, connect the waste-trap after the tray has been installed.

STEP 2

TILE ADHESIVE APPLIED TO SHOWER FLOOR AND TRAY

Ensure the shower-area floor surface is free of dirt and dust. Mix tile adhesive to a 'stiff' consistency which allows adhesive to remain stuck on tray foam support pads when tray is lifted to a vertical position at time of placement. Using a 10mm notched trowel, apply tile adhesive to the shower-area floor.



Lay shower tray flat with underside and foam pads facing up. Apply a thin 'primer' amount of tile adhesive to each foam pad on tray underside then apply a minimum 10mm thickness of adhesive to each foam support, adding extra adhesive as required for uneven / unlevel floors.

STEP 3

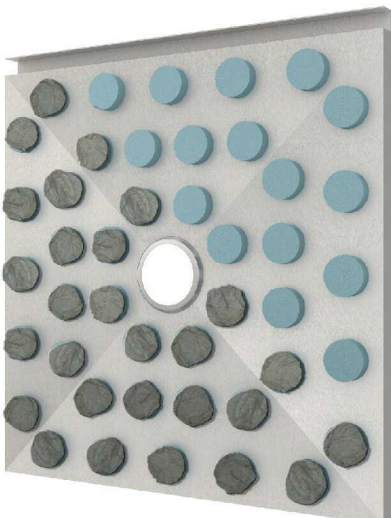
PLACEMENT / INSTALLATION OF TRAY

With adhesive on tray foam pads and shower floor area, gently place shower into the required area. Ensure the tray is level along the 'door side' of the tray and from that point across to the other corner of the tray. Push the tray down or lift the tray up and add extra adhesive as required to make tray level.

Lightly tap-down the entire tray to ensure bonding between the adhesive on the tray and the floor.

CAUTION: Ensure the tray is level or no greater than 5mm out of level from corner to corner at both walls.

Do not apply any heavy weights to the tray. Allow 24 hours for adhesive to cure sufficiently before walking on tray. When adhesive is cured, stand and walk on tray to check it is well bonded to floor and is not flexing.



SHOWER INSTALLATION

STEP 4



WASTE-TRAP / TRAY ALIGNMENT AND INSTALLATION

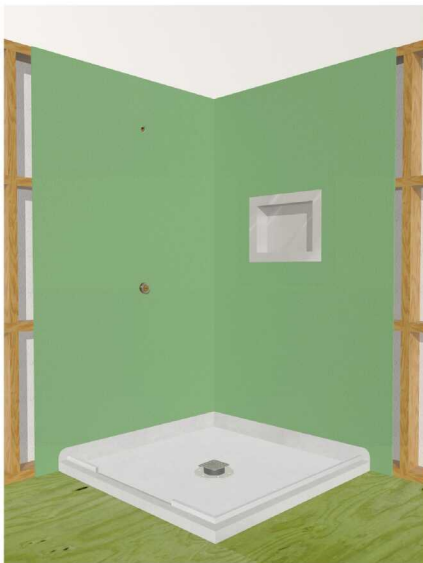
Corner waste-traps: Lightly screw the waste top screw-ring a few rotations into the waste trap body to ensure alignment of the tray and waste trap. Also, ensure the waste trap body will tighten-up against the bottom of the tray waste hole when fully tightened. Allow 24 hours for the tray adhesive to cure, apply silicone to the underside of the waste top screw-ring and fully tighten-down onto the tray.

Centre or off-centre waste-traps: Align the waste-trap with the tray waste hole, ensuring the trap will meet the bottom of the tray waste hole when the trap is fully tightened. Insert the screws provided into the waste top clamping ring and lightly tighten the ring down onto the tray. Allow 24 hours for the tray adhesive to cure, then fully tighten-down the clamping ring onto the tray.

Alternatively, for timber floors, where possible, attach the waste-trap to the tray from underneath the bathroom floor.

STEP 5

CHECK TRAY ADHESION TO FLOOR



CAUTION: To ensure the tray is well-bonded to the floor, stand and move about on the tray, checking for flexing / movement of the tray. If there is any movement, lift the tray and re-adhere.

QUICK NICHE INSTALLATION

If required, install Quick Niche as per Impresa instructions supplied with niche.

WALLBOARD INSTALLATION

Before affixing wallboard, ensure the shower wall framing is plumb or not more than 10mm out of plumb -- pack wall to suit if required.

Cut and affix wet-area wallboard to framing as per manufacturer's instructions.

STEP 6

PRE-WATERPROOFING CHECK

Prior to application of waterproofing membrane, ensure the shower walls are plumb or no more than 10mm out of plumb.

CAUTION: Tiler or waterproofer should check the tray is solidly-bonded to the floor and is not flexing BEFORE proceeding with the application of a waterproofing membrane.

JOINT TAPE AND WATERPROOFING MEMBRANE APPLICATION

In accordance with the manufacturer's specifications and instructions, apply a primer to the shower wall linings and bathroom floor.

Apply a peel and stick butyl tape to span the tray side-upstand / wall lining joints, and a further butyl tape to the tray front threshold or flange and onto the bathroom floor. Brush or roll a liquid waterproofing membrane to the shower walls and down across the applied butyl tape and onto the tray sides. Apply the liquid waterproofing to the bathroom floor and onto the butyl tape applied to the tray front threshold or flange.

For sheet membranes, refer to the manufacturer's instructions.



SHOWER INSTALLATION

STEP 7

WALL GLAZING CHANNEL INSTALLATION

CAUTION: *Tiler -- BEFORE tile is applied, wall glazing channels MUST be adhered to the waterproofed walls.*

Place an 1800mm-long spirit level against the inside face of tray glazing channel and mark the 'plumb' position on the wall. Repeat procedure on other wall.

Standard Wall Channel Height -- Both supplied wall channels are pre-cut at 1965mm. Ensure the wall channel that receives the glass 'Hinge Panel' (panel that door hinges attach to) is installed at the supplied length of 1965mm. Trim the second wall channel length / height if necessary to ensure the channel is level with the corresponding Hinge Panel channel. Apply a bead of supplied silicone sealant- adhesive to the bottom side of both pre-cut wall glazing channels and adhere each to the wall at the pre-marked plumb position. Apply a second and third bead to the inside and outside channel / wall junctions. Do a final check to ensure each channel is plumb and level with the other at the top.



STEP 8

TILE APPLICATION

CAUTION: *Tiler -- BEFORE proceeding with tile installation, check the tray has been well-bonded to the floor and is not flexing.*

Adhere tile to the tray with **Mapei 'Kerapoxy Adhesive'** or **Sika 'Sikadur-32 Normal'** as per the manufacturer's instructions

The supplied stainless steel drain grate or stainless steel tile-insert cover is to be centred over the waste -outlet and 'square' with the tray and walls. Cut the tile and apply the tile to the tray ensuring the height of the tile finishes flush with the grate or cover. The grate / cover can be secured in-place at a later time. After the tray tile has been applied, install tile to the shower walls. All tiling should comply with BRANZ recommendations, industry standards, and tile adhesive manufacturer's specifications.



STEP 9

PLUMBING FIXTURES INSTALLATION

Install plumbing fixtures to shower.

STEP 10

GLASS INSTALLATION

Impresa recommends the installation of the frameless-glass enclosure be performed by an experienced frameless-glass installer.

See Glazing Installation Overview -- click the 'Technical / Drawings' button on the STILE page -- www.impresa.co.nz.



STILE SHOWER TRAY

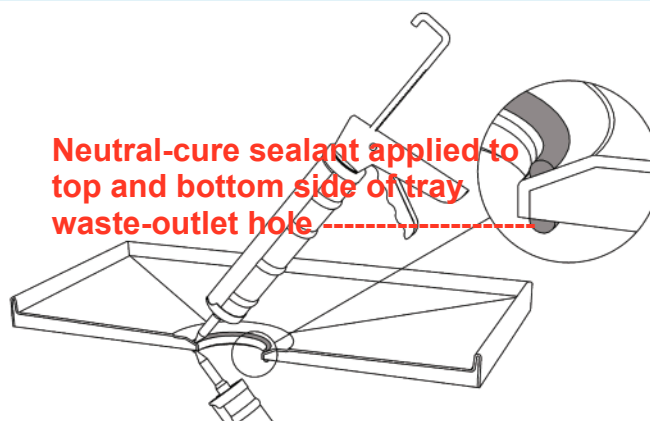
EASY-CLEAN TRAP ECW9050 INSTALLATION

It is the sole responsibility of the installer to ensure a perfect water seal between the inner ring-flange and the shower tray by applying a 'wet-area' neutral-cure silicone sealant.



Step 1

Apply a generous bead of a 'wet-area' neutral-cure silicone sealant around the top and underside of the tray waste outlet hole.

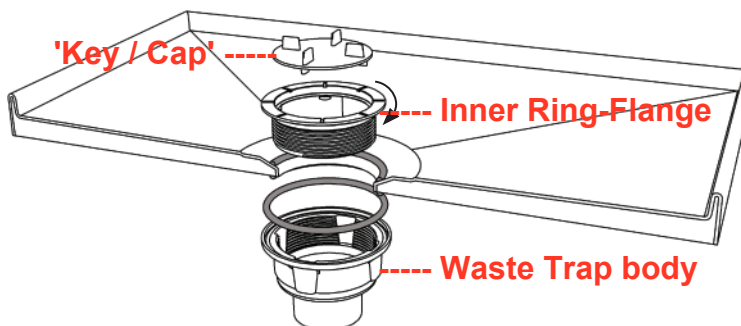


Step 2

Insert the inner ring-flange into the waste trap body and screw the ring-flange down onto the tray, firmly but not excessively using the key / cap tool provided.

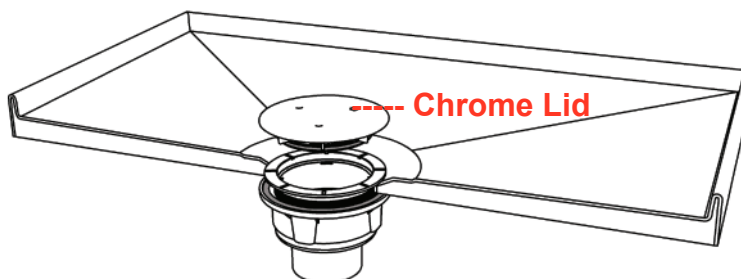
Lightly spray water over any excess sealant and remove the excess sealant.

Leave the key / cap tool in place to prevent debris entering the waste outlet.



Step 3

Install the inner cup into the waste trap body. Install the chrome lid and rotate it while pressing downwards until the lugs on the lid click into place.



SHOWER TRAY INSTALLATION ADHESIVES

TRAY TILE APPLICATION ADHESIVES

TRAY INSTALLATION TO FLOOR

Apply one of the recommended thinset tile adhesives below to a minimum 10mm-thickness to each of the high-density foam pads on the bottom of the tray, AND to the shower area floor with a 10mm notched-trowel.

RECOMMENDED TILE ADHESIVES

(A) Ardex NZ -- **ARDEX X77**

(B) Australasian Tiling Adhesives -- **AUSFLEX GOLD**

(C) Construction Chemicals NZ -- **DURAFLEX**

(D) ASA Bostik NZ -- **CONFLEX**

(E) Laticrete -- **LATAFLEX GOLD**

(F) Cemix Products -- **RUBBERFLEX**

(G) Davco -- **ULTRAFLEX**

TILE APPLICATION TO SHOWER TRAY

Impresa tileable aluminium shower trays are supplied with a white epoxy coating. All ceramic and porcelain tile is to be adhered directly to the tray with one of the following epoxy adhesives --

RECOMMENDED TILE ADHESIVES

Mapei NZ -- **Kerapoxy Adhesive** (epoxy adhesive). For 10mm-thick tile use with 8mm or 10mm trowel.

Sika NZ -- **Sikadur-32 Normal** (epoxy adhesive). For 10mm-thick tile use with 8mm or 10mm trowel.

For smaller and / or thinner tile, use an appropriate smaller-depth trowel size.

NOTE

All on-site specifications and conditions are to comply with the respective adhesive manufacturer's specifications and recommendations. Impresa Tile Showers Ltd. does not imply nor provide any warranties for any tile adhesive listed herein.

Impresa Showers

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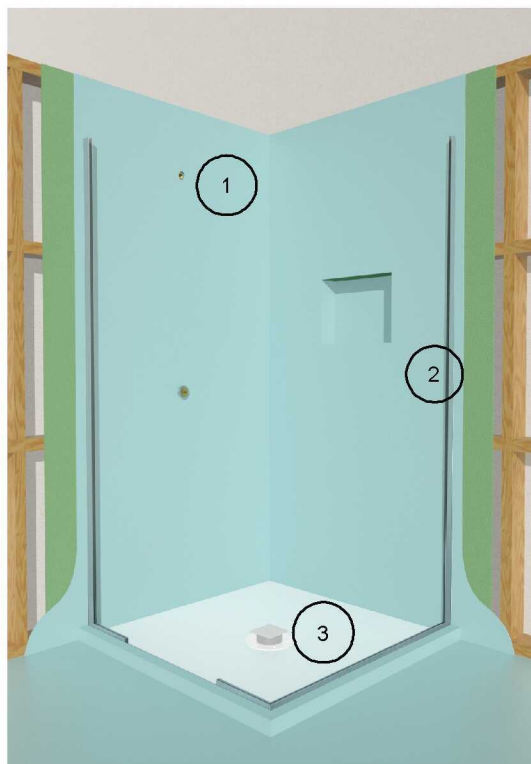
RECOMMENDED WATERPROOFING MEMBRANES

STILE shower trays are manufactured from aluminium and supplied with a factory-applied epoxy coating.

TRAY / WALL JOINTS AND FLOOR JOINTS

In general terms and in accordance with the manufacturer's specifications and instructions, apply a primer 100mm min. up from the bottom edge of the shower wall linings, and a 100mm min. onto the bathroom floor area surrounding the front of the shower tray. DO NOT apply any primer onto the shower tray. Apply a peel and stick butyl tape to span all shower tray side / shower wall lining joints, and a further butyl tape to the tray front threshold or flange and onto the bathroom floor. Brush or roll a liquid waterproofing membrane to the shower walls, across the applied butyl tape and onto the shower tray sides. Similarly, apply the liquid waterproofing to the bathroom floor, lapping onto the tray-front threshold or flange.

For sheet membranes, refer to the manufacturer's instructions.



WATERPROOFING APPLICATION OVERVIEW

NOTE: Before applying the waterproofing, ensure the tray does not flex with the weight of a person standing and moving on the tray. If there is flexural movement, the must be lifted and re-adhered correctly.

1. Selected cementitious or acrylic or polyurethane waterproofing membrane from the list below applied to shower wall linings
2. Wall Glazing-channels installed directly to cured waterproofing
3. STILE shower tray.
4. Waterproofing to be applied to shower as per manufacturer's specifications. Ensure waterproofing is fully hard-cured before applying tiles.

WATERPROOFING MANUFACTURERS / SUPPLIERS

MANUFACTURER / SUPPLIER

Sika NZ
Ardex NZ
Bostick (NZ)
Construction Chemicals NZ
Construction Technologies
Davco
Flexco NZ
Mapei NZ
Technokolla (Protective Surfaces)
Waterproofing Systems

CEMENTITIOUS MEMBRANES

Sikalastic-152
Superflex WPM002
DampFix 3
Liquid Flash 2
AquaBlok 2
Dampfast
Miracryl
Mapelastic Smart
Rasolastik
Gripset 2P

ACRYLIC / URETHANE MEMBRANES

Sikalastic-220W
WPM155 Rapid
DampFix Gold
Hydrathane
AquaBlok W1
Dampflex
Flexi-Seal
Aquadefense
Rasogum
Gripset 38

NOTE

All on-site specifications and conditions are to comply with the respective waterproofing manufacturer's specifications and recommendations. Impresa Tile Showers Ltd. does not imply nor provide any warranties for any product listed herein.

STILE & METRO SHOWER -- ALCOVE

INLINE GLASS ENCLOSURE INSTALLATION

IMPORTANT NOTE

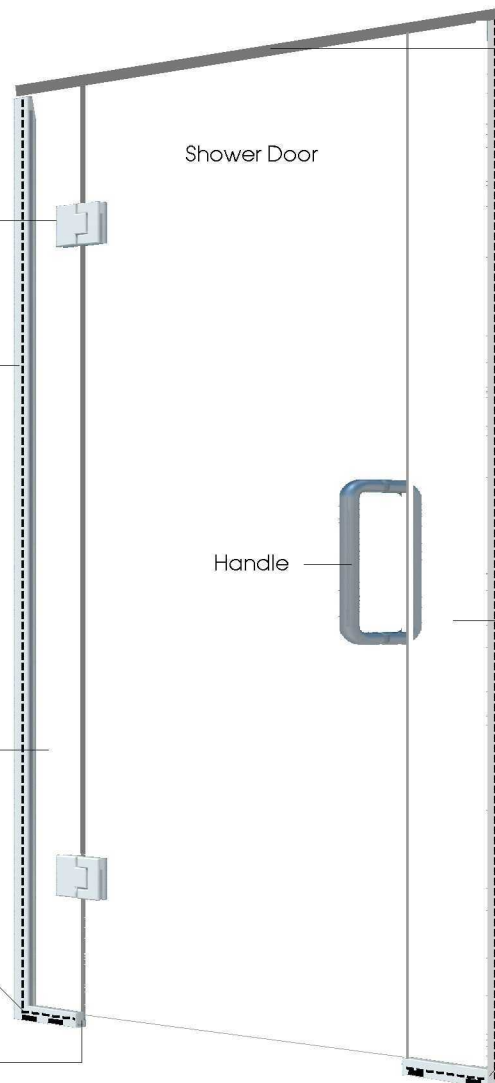
HINGE PANEL -- to be installed with the top hinge notch beginning 250mm from top edge of panel. Bottom hinge notch is 270mm from bottom edge of panel.

With plumb walls, glass will sit approx. 10-15mm into channel.

GLASS HINGE PANEL is to be made plumb and made level with top of glazing channel. Internally, a continuous bead of clear silicone is to be applied between sidelite and channel. Glass panel is to be pushed hard against channel and excess silicone removed. Externally, silicone is to be applied between glass and glazing channel and excess silicone removed. Ensure the installed panel is flush with the end of the tray glazing channel.

Clear silicone applied into each tray / wall channel butt-joint immediately prior to installation of each sidelite.

Apply silicone to open end of channel / bottom of glass sidelite to prevent water ingress into channel.



ALUMINIUM BRACE BAR

Secured with silicone adhesive or Clamp Brackets.

IMPORTANT NOTE

WALL GLAZING CHANNELS

Wall channels are to be adhered directly to the waterproofed walls with the supplied silicone BEFORE the application of wall tile.

Apply a continuous bead of silicone to entire length of back side of channel. Adhere channel to wall and apply a continuous beads of silicone to inside and outside of channel / wallboard junction.

GLASS SIDE PANEL -- Install setting blocks into the tray channel and ensure the Side Panel top edge is flush with the wall channel and the Hinge Panel. Place the panel into the tray and wall channels. On the shower internal side, apply silicone between the wall channel and glass panel. Press the Side Panel hard against the channel. Spray water mixture and remove all excess silicone.

SETTING BLOCKS -- Use 9x10mm blocks under bottom edge of glass panels to ensure panels are level with top of wall channels or 1.5mm max. above.

STILE & METRO SHOWER

CORNER GLASS ENCLOSURE INSTALLATION

IMPORTANT NOTE

WALL GLAZING CHANNELS

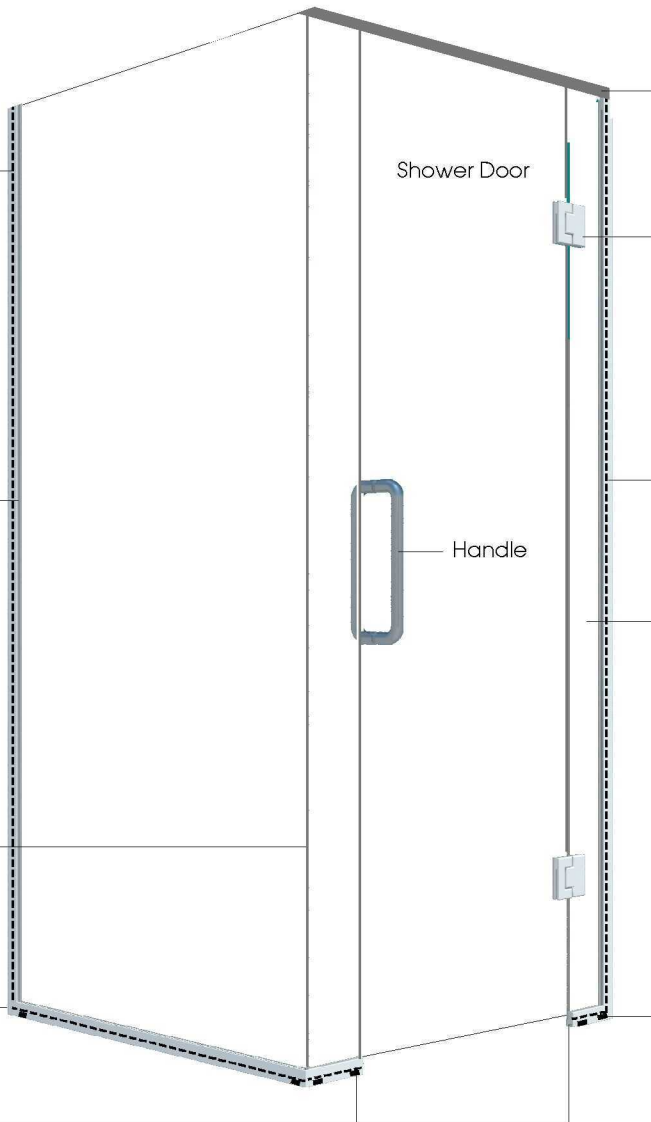
Wall channels are to be adhered directly to the waterproofed walls with the supplied silicone BEFORE the application of wall tile.

GLASS RETURN PANEL -- is to be made plumb and level with top of glazing channel and Hinge Panel. Internally, apply a continuous bead of clear silicone between glass and glazing channel. Return is to be pushed hard against channel and excess silicone removed. Externally, silicone is to be applied between glass and glazing channel and excess silicone removed.

GLASS SIDE PANEL -- Install setting blocks into the tray channel and ensure the Side Panel top edge is flush with the Return Panel. Apply a continuous bead of clear silicone approx. 5mm thick to the Return Panel edge. Insert the Side Panel into the tray channel and press / adhere the Side Panel to the Return panel edge leaving a 2mm silicone joint between both panels. Spray water mixture and remove all excess silicone.

Clear silicone applied to each tray / wall channel butt-joint immediately prior to installation of sidelite or return panel.

Apply clear silicone to bottom of side panels to seal-off end of channels.



ALUMINIUM BRACE BAR

Secured with silicone adhesive or Clamp Brackets.

IMPORTANT NOTE:

HINGE PANEL -- to be installed with the top hinge notch 250mm from top edge of panel. Bottom hinge cut-out is 270mm from bottom edge of panel.

With plumb walls, glass will sit approx. 10 - 15mm into channel.

GLASS HINGE PANEL is to be made plumb and made level with top of glazing channel. Internally, a continuous bead of clear silicone is to be applied between sidelite and channel. Glass panel is to be pushed hard against channel and excess silicone removed. Externally, silicone is to be applied between glass and glazing channel and excess silicone removed. Ensure the installed panel is flush with the end of the tray glazing channel.

SETTING BLOCKS -- Use 9 x 10mm blocks under bottom edge of glass panels to ensure panels are level with top of wall channels or 1.5mm max. above.