



## 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

Determine the easy-clean waste-trap position by placing the shower tray onto the floor 6mm off the bottom plate / framing. Mark the perimeter of the waste hole on the floor and cut a hole in the floor to position the easy-clean waste-trap. Connect the waste-trap to the waste outlet pipe, ensuring the easy-clean waste-trap is level with the floor. Alternatively, for timber / plywood floor installations, and where access is available, 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.

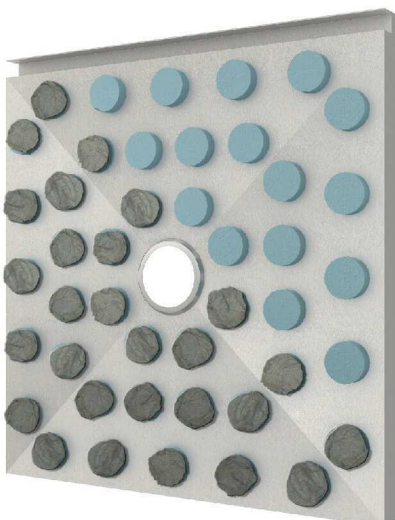
### STEP 3

#### 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. Check the tray is level or no greater than 3mm out of level.

*Allow 24 hours for curing. Stand and move about on tray to check it is well bonded to floor and is not flexing.*





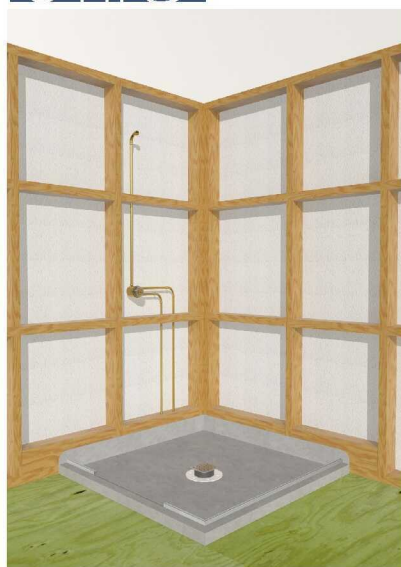
## SHOWER INSTALLATION

### 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.



### STEP 5

#### CHECK TRAY ADHESION TO FLOOR

*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.*

#### QUIK NICHE INSTALLATION

If required, install Quik 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.



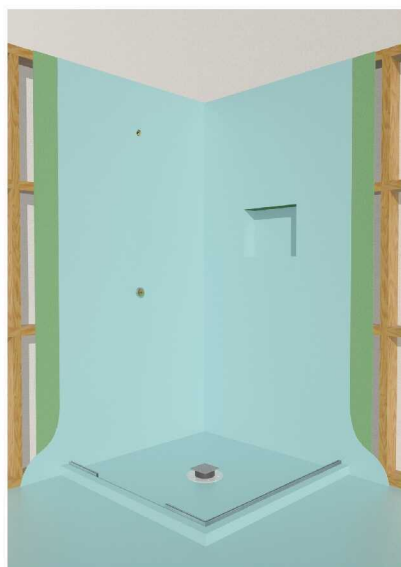
### STEP 6

#### WATERPROOFING APPLICATION

Prior to application of waterproofing membrane, ensure the shower walls are plumb or not more than 10mm out of plumb.

*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.*

Apply a minimum of two coats of waterproofing to the shower walls, shower tray sides, and entire shower tray -- see image. Apply waterproofing to the bathroom floor and lap onto the tray front threshold. All waterproofing is to be applied to the manufacturer's instructions and specifications.





## SHOWER INSTALLATION

### STEP 7

#### WALL GLAZING CHANNEL INSTALLATION

*Wall glazing channels are to be adhered to the waterproofed walls BEFORE tile is applied.*

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.

Wall Channel Height -- if standard-height glass (1988mm) is to be installed, ensure the wall channel that is to receive the 'Hinge panel' (panel that door hinges attach to) is cut to 1968mm. The second wall channel should be cut so as to finish at the same level-height as the top of the 'Hinge panel' channel.

Apply a bead of supplied silicone sealant / adhesive to back face of wall glazing channels, and adhere each channel to the wall at the pre-marked plumb position. Apply a second and third bead of sealant to the inside and outside channel / wall junctions. With a spirit level, check each channel is level with each other at the top, and plumb 'left-to-right'.



### STEP 8

#### TILE APPLICATION

*The tiler should check the tray has been well-bonded to the floor and is not flexing BEFORE proceeding with tile application.*

Apply tile to shower tray and walls as per 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 Overview at [www.impresa.co.nz](http://www.impresa.co.nz).



# IMPRESA TILE SHOWERS

## RECOMMENDED ADHESIVES TRAY INSTALLATION AND TILE APPLICATION

### TILE ADHESIVES FOR INSTALLATION OF SHOWER TRAYS

- |   |                                       |
|---|---------------------------------------|
| (A) Ardex NZ -- ARDEX X77                         | (D) ASA Bostik NZ -- CONFLEX          |
| (B) Australasian Tiling Adhesives -- AUSFLEX GOLD | (E) Cemix Products Ltd. -- RUBBERFLEX |
| (C) Construction Chemicals NZ -- DURAFLEX         | (F) Davco -- ULTRAFLEX                |

#### TRAY ADHESIVE APPLICATION

- (1) The recommended thinset tile adhesive is to be applied onto shower-area floor with a 10mm notched trowel.
- (2) Apply a minimum 10mm-thickness of thinset tile adhesive to each of the high-density foam pads on the bottom of the tray.

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### CEMENTITIOUS TILE ADHESIVES FOR TILE APPLICATION TO TRAY WITH TILING MEMBRANE APPLIED

**NOTE:** If the tray has been received with the Tiling Membrane either factory-applied or yet to be applied on-site, the membrane must receive two (2) coats of a liquid-applied waterproofing membrane before the application of tile. The coating protects the membrane from dust, and wear and tear, and also performs as a primer for the thinset tile adhesive -- see the list of recommended liquid-applied waterproofing membranes. The thinset tile adhesive for applying tile to the tray should be from the same manufacturer and / or compatible with the liquid-applied membrane.

- |   |  |
|---|--|
| (A) Ardex NZ -- ARDEX77, OPTIMA                     | (F) Davco -- ULTRAFLEX   |
| (B) ASA Bostick NZ -- CONFLEX, MEGAFIX              | (G) Flexco NZ -- FLEXI WALL AND FLOOR                            |
| (C) Australasian Tiling Adhesives -- AUSCRETE GOLD  | (H) Mapei NZ -- KERAFLEX MAXI, KERABOND AND ISOLASTIC            |
| (D) Cemix -- RUBBERFLEX                             | (I) Technokolla / Protective Surfaces -- TECHNO ONE, TECHNO STAR |
| (E) Construction Chemicals NZ -- DURAFLEX, MONOFLEX |  |

### SYNTHETIC TILE ADHESIVES FOR TILE APPLICATION DIRECT TO EPOXY-COATED TRAY

**NOTE:** Where the shower tray has been supplied 'bare' without the tiling membrane factory-applied, the use of a synthetic adhesive is necessary for tile application to the 'white' epoxy-coated tray. The following adhesives are recommended --

- (A) Mapei NZ -- KERALASTIC URETHANE or KERAPOXY
- (B) Sika NZ -- FOSROC FLORBOND 406

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#### 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.

## RECOMMENDED WATERPROOFING MEMBRANES

STILE shower trays are supplied with a tray side-upstand membrane tape factory-applied. The wet-area wallboard is to be installed to the shower walls, finishing at the top of, and flush with, the tray side-upstands. A recommended waterproofing membrane is to be applied to the shower walls, down onto the tray side-upstands and onto the peel and stick tiling sheet membrane if being utilised. NOTE: The wall glazing channels are to be adhered directly to the waterproofed walls PRIOR to the application of wall tile.



### WATERPROOFING APPLICATION OVERVIEW

NOTE: Ensure tray has been correctly installed and is not flexing with the weight of a person walking / standing

1. Selected cementitious or acrylic waterproofing membrane from list below applied to shower wall linings
2. Wall Glazing-channels installed directly to cured waterproofing
3. STILE shower tray with tiling membrane coated / primed with selected waterproofing. Corner waste-outlet trays -- do NOT apply waterproofing to white epoxy-coated area of tray where no tiling membrane exists.
4. Waterproofing to be applied to shower as per manufacturer's specifications. Ensure waterproofing is fully hard-cured before applying tiles.

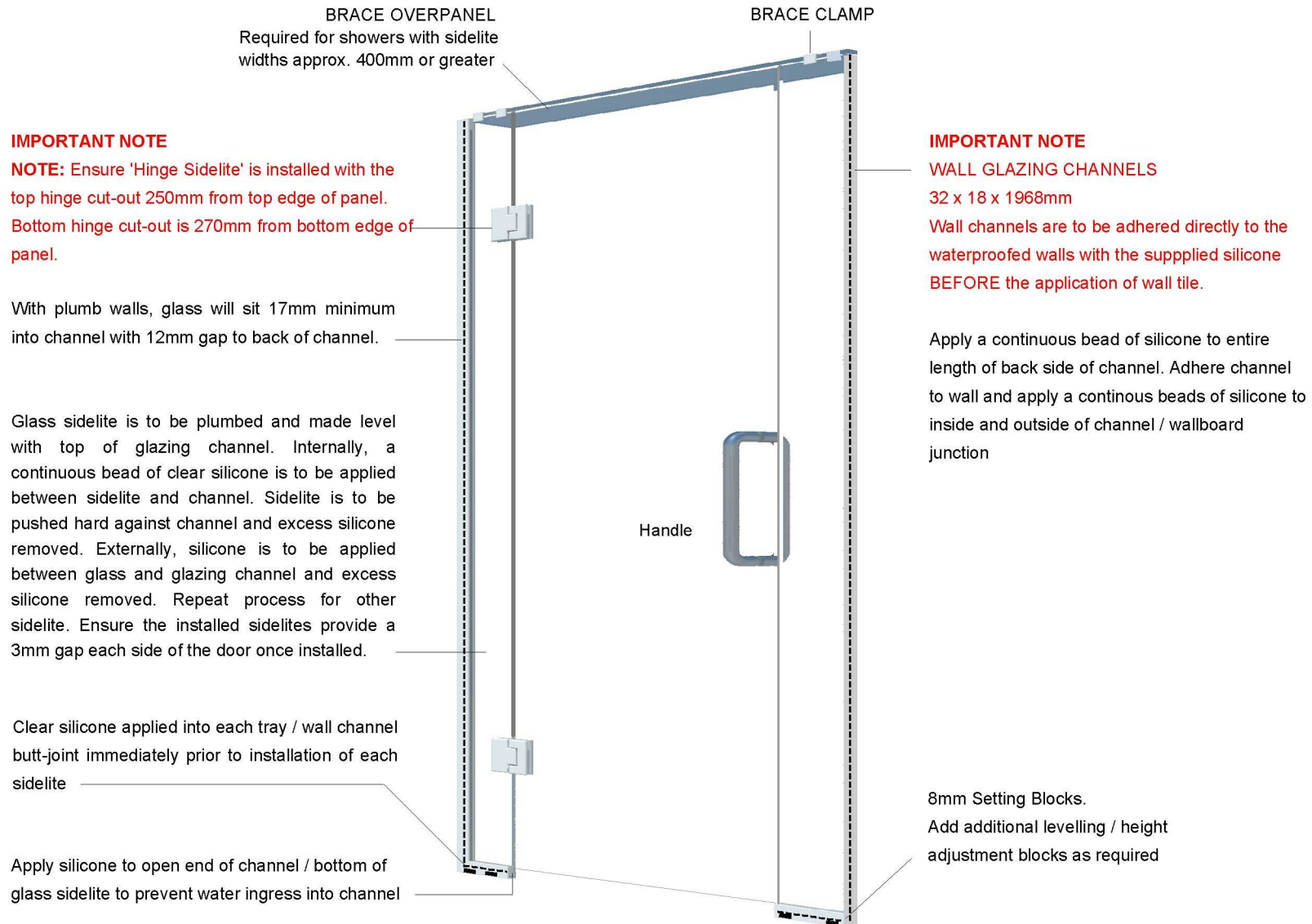
### WATERPROOFING MANUFACTURERS / SUPPLIERS

MANUFACTURER / SUPPLIER	CEMENTITIOUS MEMBRANES	ACRYLIC / URETHANE MEMBRANES
Ardex NZ	Superflex WPM002	Superflex WPM001
Bostick (NZ)	DampFix 3	DampFix Gold
Construction Chemicals NZ	Liquid Flash 2	Hydrathane
Construction Technologies	AquaBlok 2	AquaBlok W1
Davco	Dampfast	Dampflex
Flexco NZ	Miracryl	Flexi-Seal
Mapei NZ	Mapelastic Smart	Aquadefense
Technokolla (Protective Surfaces)	Rasolastik	Rasogum
Waterproofing Systems	Gripset 2P	Gripset 38

### NOTE

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# STILE ALCOVE SHOWER 'INLINE' GLASS INSTALLATION



# STILE CORNER SHOWER GLASS INSTALLATION

## IMPORTANT NOTE

### WALL GLAZING CHANNELS

32 x 18 x 1968mm

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

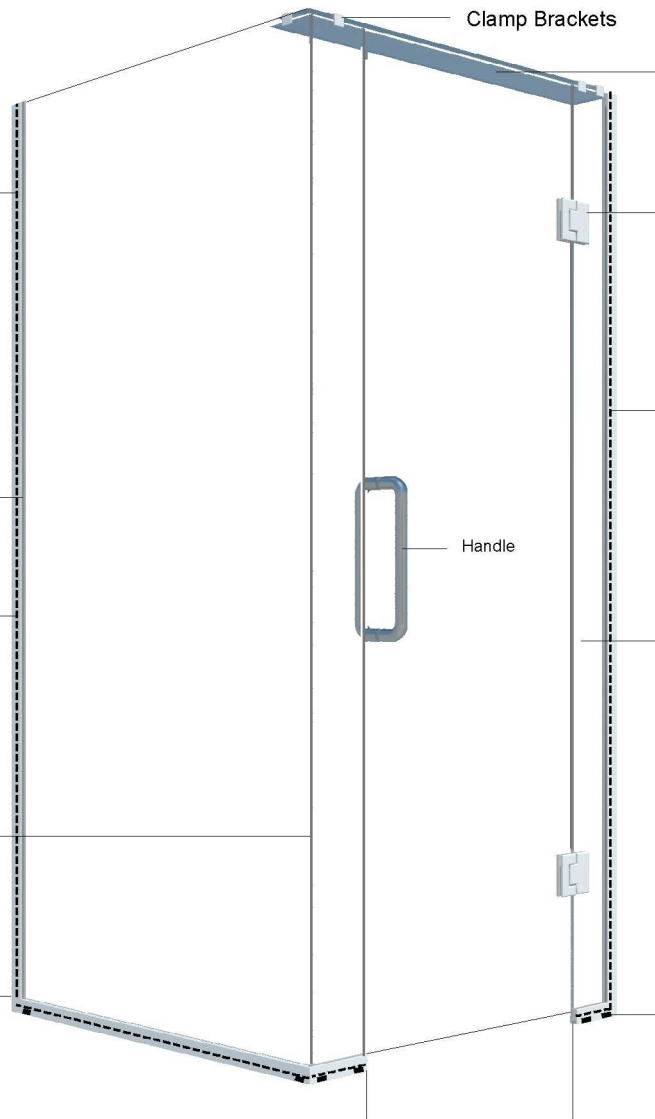
Glass 'Return' panel is to be made plumb and level with top of glazing channel. Internally, a continuous bead of clear silicone is to be applied between glass and glazing channel. Return is to be pushed hard against channel and excess silicone removed. Externally, silicone is to be applied between glass and glazing channel and excess silicone removed.

With plumb walls, glass sits 17mm into channel with 12mm gap to back of channel.

A continuous bead of clear silicone to be applied to return panel edge. Ensuring sidelite is level with return panel and wall channel, insert sidelite into tray channel and adhere to return panel edge. Remove any excess silicone.

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

Clear silicone to bottom of sidelites to seal-off end of channels



Glass Brace Overpanel secured with silicone adhesive or Clamp Brackets.

**NOTE:** Ensure 'Hinge Sidelite' is installed with the top hinge cut-out 250mm from top edge of panel. Bottom hinge cut-out is 270mm from bottom edge of panel.

Glazing channel adhered to waterproofed wallboard with continuous bead of silicone applied to entire length of back side of channel and each channel / wallboard junction

Glass sidelite is to be plumbed and made level with top of glazing channel. Internally, a continuous bead of clear silicone is to be applied between sidelite and channel. Sidelite 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 sidelites provide a 3mm gap each side of the door once installed.

8mm Setting Blocks.

Add additional levelling / height adjustment blocks as required