

#### 1. TIMBER FRAMING

Timber framing is to comply with the NZ Building Code. Stud spacing centres to be 600mm maximum. Framing to be plumb or a maximum tolerance from plumb of 10mm over 2400mm. Install a row of nogs on-edge above shower tray upstands to allow the fixing of the bottom edge of wallboards. All framing should provide a flat plane for the installation of wallboard.

#### 2. TIMBER JOISTS

Joists are to comply with the NZ Building Code. Joist spacing centres to be 600mm maximum, level and provide a flat plane for the installation of flooring plywood or compressed fibre cement sheet.

#### 3. TIMBER FLOORS

**PLYWOOD FLOORING** -- Plywood is to be H3 treated. Plywood should be a minimum thickness 15mm for joist spacings up to 450mm and 19mm thickness for joist spacings up to 600mm.

**COMPRESSED FIBRE CEMENT SHEET** -- Board thickness 18mm min. Install according to manufacturer's specifications

#### 4. CONCRETE FLOORS

Concrete to be level and cured a minimum of 28 days

#### 5. ROW OF NOGGINGS

A row of nogs is to be installed to the wall framing to affix the bottom-edge of the wall lining, and whilst not necessary, allow the application of a bead of silicone into the gap between the tray sides and nogs if desired

#### 6. PLUMBING INSTALLATION

All installed plumbing to meet New Zealand standards. Incoming water plumbing connections to be pressure-tested and checked. Waste-water connections to be visually checked.

#### 7. EASY-CLEAN TRAP / WASTE FITTING INSTALLATION

Situate the shower tray 6mm off wall framing ensuring the wallboard, when later installed, finishes flush with the shower tray side- upstands. Easy-Clean Trap can be installed prior to or after tray installation. Ensure trap aligns with tray waste-hole position and meets bottom of tray when top clamping-ring is screwed down onto tray.

#### 8. INSTALLATION OF TRAY TO FLOOR

The shower tray **MUST** be installed with **TILE ADHESIVE** applied at a minimum thickness of 10mm to each foam pad on the bottom of the shower tray. The same tile adhesive is to be applied to the floor with a 10mm notched trowel.

A. **TILE ADHESIVE** -- Mix a polymer-modified tile adhesive to a 'stiff', thick yet spreadable consistency. A 'stiff' consistency ensures the tile adhesive will remain bonded to each foam pad support when the tray is lifted and placed into the correct position on the floor.

B. **TILE ADHESIVE PRIMING / APPLICATION** -- Ensure shower-area floor surface is free of dirt and dust. Using a 10mm notched trowel, apply tile adhesive to the shower-area floor. Next, 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.

C. **PLACING TRAY ONTO FLOOR** -- With tile adhesive notch-trowelled onto floor and applied to the tray foam pads, carefully turn tray over and, ensuring all adhesive remains on foam pads, place tray into required position on bathroom floor. Due to a slight excess of tile adhesive utilised, the tray should be elevated approx. 5mm off the floor. 'Bed' the tray into position by gently pushing down on the tray, levelling and ensuring the 'falls' built into the tray are maintained. Ensure the tray side-upstands will finish flush with wallboard face when wallboard is subsequently installed. There will be a 5mm gap (stainless-steel trays) / 6-7mm gap tileable trays between a correctly-installed tray and the row of nogs. Allow 24 hours for curing of tile adhesive before standing on tray and installing wallboard. Whilst not necessary, a silicone bead can be applied to fill the gap. Do not allow any silicone to smear over the inside of the tray as it will affect the adhesion of the liquid-applied waterproofing membrane.



Shower tray to have tile adhesive applied to foam support pads. Adhesive also to be applied to floor with 10mm notched trowel.



Tileable or stainless-steel tray adhered to floor with tile adhesive. Install a row of nogs to affix bottom of wall lining (not shown)



Tileable trays: waterproofing to walls and entire tray as shown. Stainless-steel trays: waterproofing to walls and tray sides only.

## 9. EASY-CLEAN / WASTE INSTALLATION

### STILE / STILE:STAINLESS: / PRIME:STAINLESS:

CHROME-TOP TYPE (100mm Dia.) -- Hand-tighten waste 'top ring' into trap body (as per instructions on box) upon tray placement to ensure correct positioning of tray and trap / waste. Apply silicone sealant to top ring and ensure bottom 'O' ring pulls up tightly to tray underside when tray and waste are aligned. See manufacturer's instructions.

### STILE

TILEABLE-INSERT TOP (100mm) Square / Height-adjustable -- Insert screws into top clamping-ring and into trap body upon tray placement to ensure correct positioning of tray and waste / trap. Fully tighten all screws when tray / waste are aligned. See manufacturer's instructions.

### METRO / METRO:STAINLESS: / URBIS:STAINLESS:

CHROME Round Grate (40mm Dia.) -- Hand-tighten Easy-Clean top flange-ring into trap body upon tray placement to ensure correct positioning of tray and waste / trap. Apply sealant to top ring and ensure bottom 'O' ring pulls up tightly to tray underside when tray and waste are aligned. See manufacturer's instructions.

## 10. WALLBOARD INSTALLATION

Ensure tray-adhesive has had 24 hours curing before standing on tray. Shower wallboard should be a water-resistant 10mm plasterboard or 9mm fibre-cement board. Allow a 3mm min. gap between tray upstand and bottom edge of wallboard. Ensure wallboard face is flush with tray upstand face. Wallboards to be installed to framing as per wallboard manufacturer's specifications

## 11. WATERPROOFING

**TILEABLE TRAYS -- Apply selected waterproofing membrane to shower walls and entire tray**

**STAINLESS-STEEL TRAYS -- Apply waterproofing membrane to shower walls and onto tray side-upstands**

**Waterproofing to extend a minimum 300mm above shower rose and a minimum 1800mm above the installed shower tray.**

## 12. WALL GLAZING CHANNEL INSTALLATION

**Wall-glazing channels MUST be adhered directly to the waterproofed wallboard PRIOR to the installation of tile**

## 13. TILE INSTALLATION

Refer to tile adhesive manufacturer's specifications / recommendations

See Stile and Metro Tile Installation Page 1 and 2