

TILE SHOWERS — PRE-INSTALL & SPECIFICATIONS

Building Design | Plumbing
NZ Building Code of Compliance
Includes QuickTile Tray Bases

SHOWER CATEGORIES

Centre Waste & Channel Drain

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IMPORTANT!

1. When you receive your shower package, please check for any freight damage.
2. If damage has occurred, advise your supplier within 8 hours.
3. Do not install any faulty product as this will invalidate later claims.

IMPORTANT INFORMATION

PROFINISH WARRANTY

- Faulty goods are covered under warranty. Visit stein.nz for conditions.
- Pre-Install information and Install Instructions must be followed for a valid cover.

HEALTH & SAFETY

- Electric wires, gas, and water pipes within range of works must be clearly marked.
- Check MSD sheets, ventilate areas if using any product with harmful vapours.
- Wear protective equipment and suitable clothing for the task undertaken.

UNDERFLOOR HEATING - SHOWER ENCLOSURE

- Heating regulated to 25 degrees, failsafe monitored and shut off device if failure occurs.
- Heating must be an approved system compatible to Waterproofing and Tiling Supplier's constraints.

COMPONENT ITEMS

Waste Kit (Easy Clean, Gully Trap or Channel Drain)	Glue Cartridges (No. as per Tray Base size)
ProFinish Tile Tray Base (as ordered)	Waterstop Profile (as order request)

PRE-INSTALL: TIMBER FLOOR CONSTRUCTION

Surface Mounted Tray

Overview: Tiles are rigid surface finishes so the structural floor design must follow this standard for success.

New Floor Builds

- Tiled Floor Framing: 400mm max in both directions. Joist spacings centred at 400mm with blocking and strutting as NZS 3604:2011 code with additional cross frames to achieve the 400mm intervals and lateral support.
- An alternative structural floor design must prove compliance to deflection calculations as per next item.
- Maximum Deflection Calculations: Tiles up to 400x400 the deflection criteria is $1/360^{\text{th}} = 1.1 \text{ mm}$. Tiles exceeding 400x400 the deflection criteria is $1/480^{\text{th}} = 0.83\text{mm}$.

Existing Floor Rebuilds

- Check Joist spans & spacings, support post positions, strutting/blocking, and flooring. Use every possible step to increase rigidity. This is a case-by-case evaluation so consult a building professional to plan this.

Flooring

- Timber Treatment: Frames and sheet flooring must adhere to current building code for "Wet Areas".
- Tile Underlay Board: Install over timber-based floors to manufactures specifications.
- 18mm Hardies Flooring: This compressed sheet flooring provides rigidity and compatibility for tiling.
- The floor must be supported at 250mm from the waste position in both directions.

PRE-INSTALL: CONCRETE FLOOR CONSTRUCTION

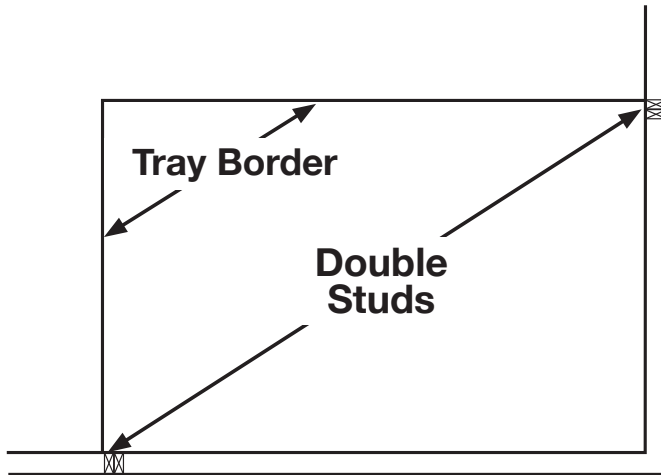
Surface Mounted

1. Waste Connection: Prior to a concrete floor pour, plot area for waste and box-up for this.
2. Concrete Integrity: Structurally sound floor with no paint, curing compounds or contaminates.
3. Variation to level: 3mm per meter is the maximum variant of the floor to level.
4. FLC or Grinding: This may be required for a suitable surface and to level up.
5. Relative Humidity: Readings must be below 75% RH or remedial treatment must be undertaken.

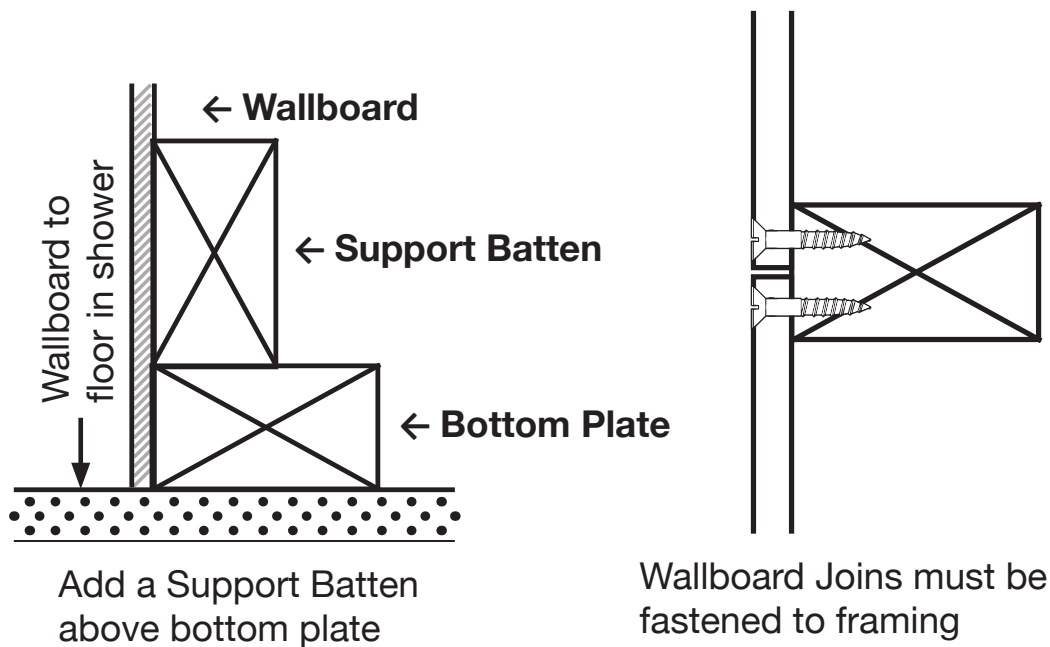
PRE-INSTALL: WALL CONSTRUCTION

General Wall Specifications

1. Framing: Must be straight, 90-degree corners and NZS 3604 compliant.
2.  Variation to plumb: Wall must not exceed 3mm over the shower wall height.
3. Wallboard Install: Must be "Wet Area" compliant and installed to manufactures tile specs.
4. Tray Base to Wallboard: Tray base butts to Wallboard that finishes at floor level.
5. Double Studs at border and inwards.



6. Wall Frame Details

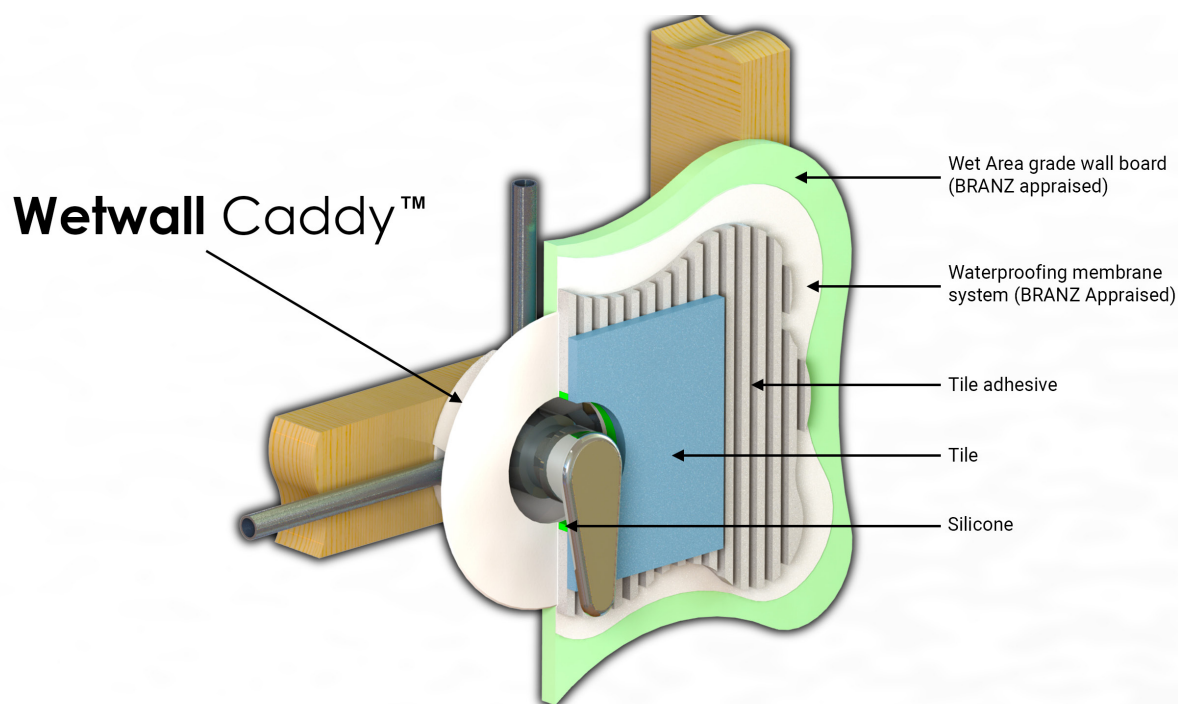


Note: No paint or stopping more than 30mm inside the shower outline.
Overlooked? Contact waterproofing applicator for bonding suitability.

PLUMBING OUTLINE

Wall Details

1. The Shower Rose: Ideally the Rose must not face directly at the shower door.
2. Shower Rose Slide Rail: Screw fastening requires drilling holes through the tile. Clean out and dry these holes. Pump sealant in holes and fasten to timber frame.
3. Mixer and flow pipe penetrations in tiled walls.
 - (a) A minimum requirement is for these to be fully sealed with silicone.
 - (b) • The preferred method is fitting a cavity wall protector that will retain a leak and discharge out the bottom plate.
 - This will comply with E/AS2 code.
 - Using an adequate face plate size, access for repair or replacement can be undertaken.



WASTE DETAILS

1. Centre Waste Page 5
2. Channel Drain Page 6 & 7

Select the type of tray you are installing

1. On tray side where there is wallboard allow 10mm for this.
2. The Hob on the outside of Tray Base is not included in locating the waste.
3. Neo Angle Centre Waste: Waste position is the same as a square or rectangle Centre Waste of that size.

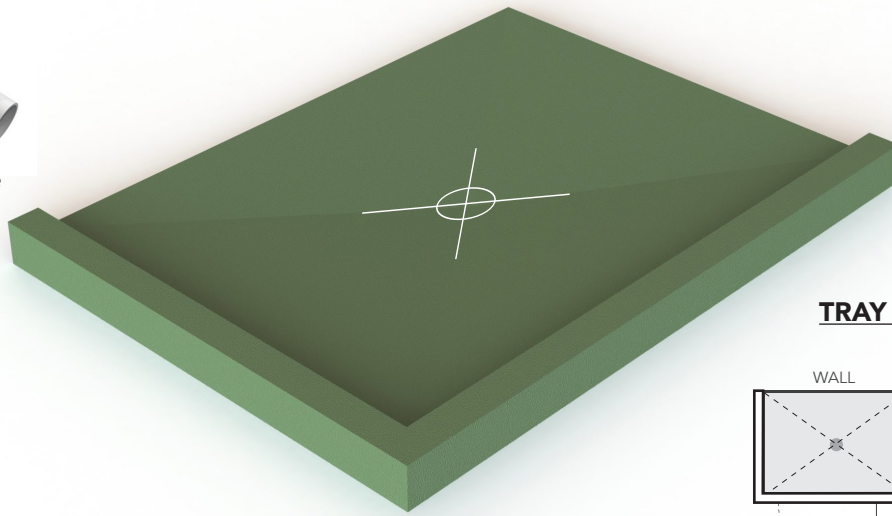
Standard Tray Base Specs

<https://newline.nz/profinish-range-specs/>

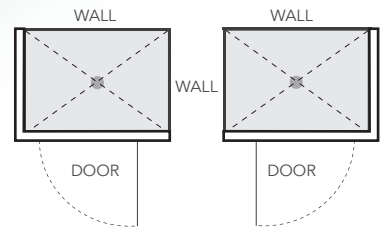
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Centre Waste



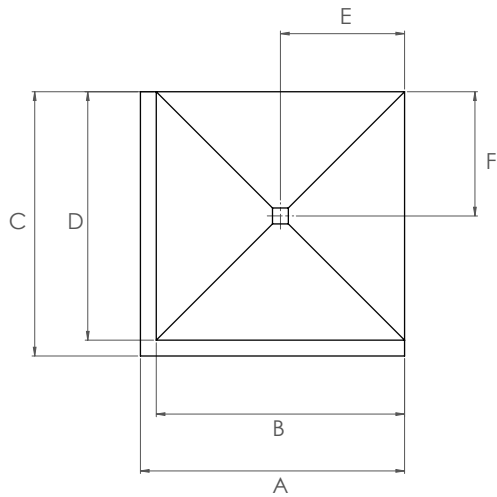
TRAY ORIENTATION



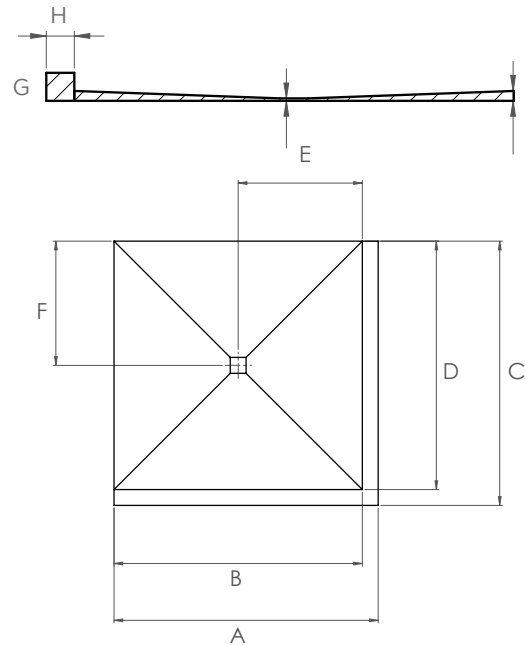
LEFT TRAY

RIGHT TRAY

SPECIFICATIONS

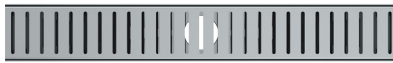


LH TRAY

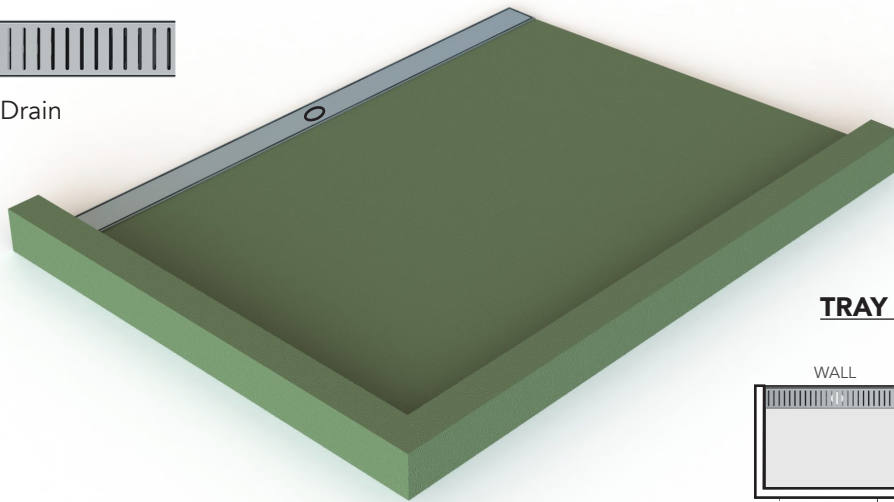


RH TRAY

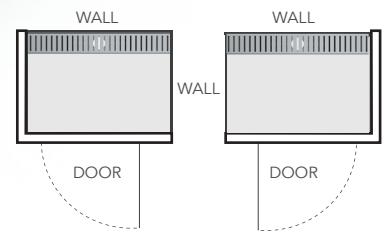
	A	B	C	D	E	F	G	H
QuickTile Tray Only 900x900 Centre Waste 2S	900	840	900	840	420	420	60	60
QuickTile Tray Only 1000x1000 Centre Waste 2S	1000	940	1000	940	470	470	60	60
QuickTile Tray Only 1200x900 Centre Waste LH 2S	1200	1140	900	840	570	420	60	60
QuickTile Tray Only 1200x900 Centre Waste RH 2S	1200	1140	900	840	570	420	60	60



Channel Drain



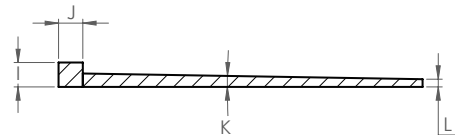
TRAY ORIENTATION



LEFT TRAY

RIGHT TRAY

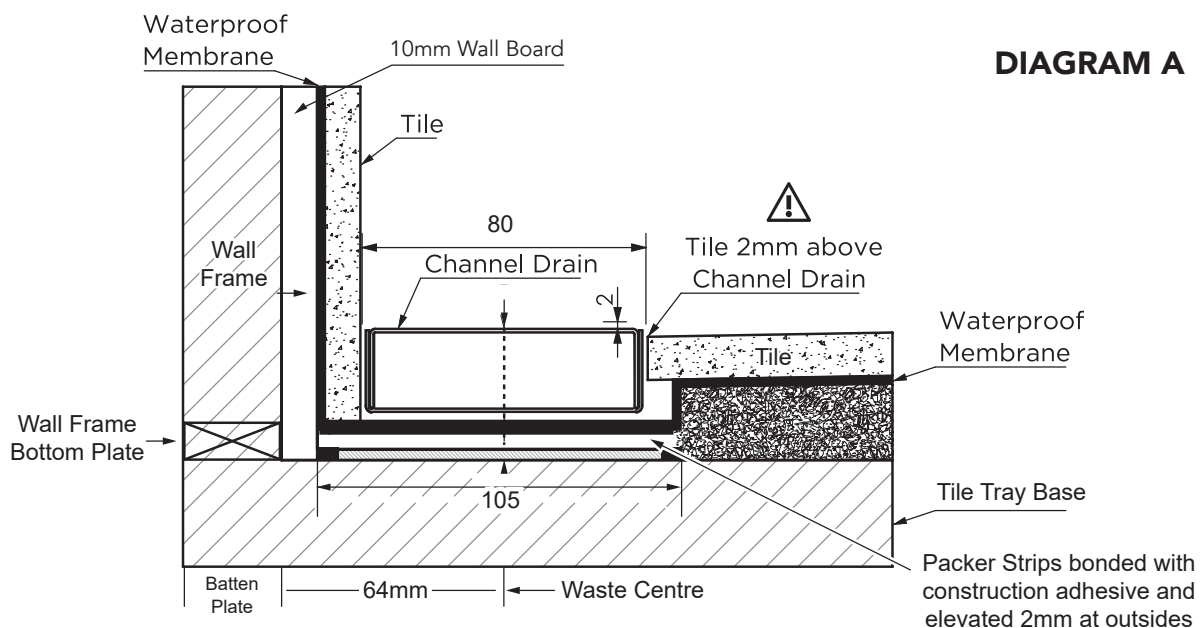
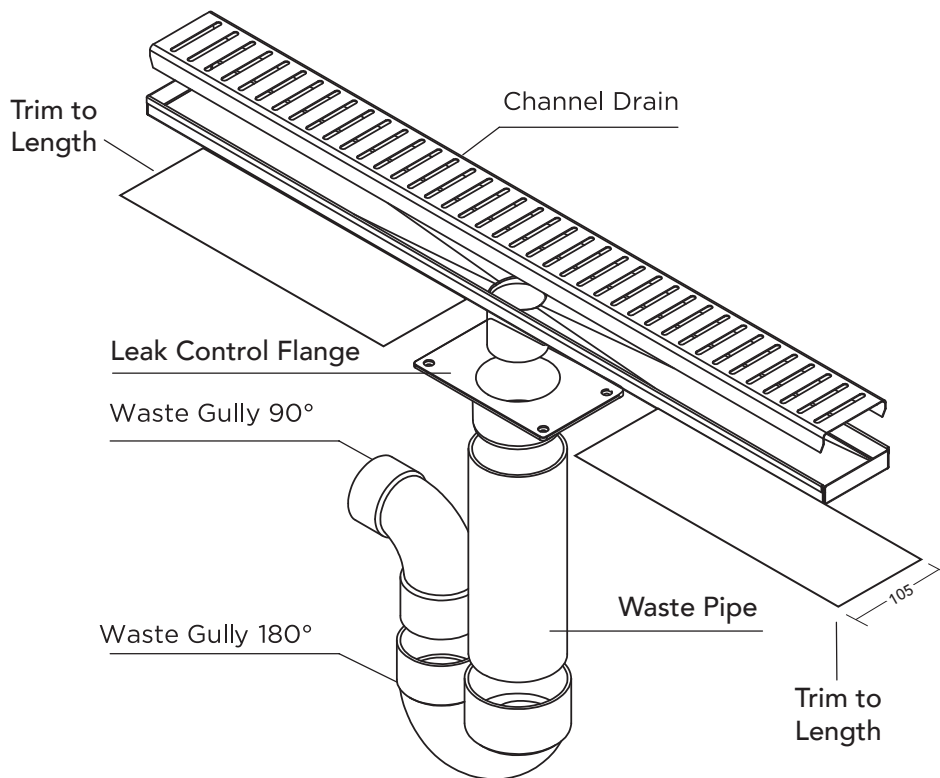
SPECIFICATIONS



Notes Re Waste Position

1. Waste is centred to Tray base excluding Hob and wallboard that's installed down to the floor.
2. Centre of Waste off bottom plate is 64mm (Diagram A next page show this).

	A	B	C	D	E	F	G	H	I	J	K	L
QuickTile Tray Only 900x900 Channel Drain 2S	900	840	900	840	15	810	15	95	60	60	0.95	19
QuickTile Tray Only 1000x1000 Channel Drain 2S	1000	940	1000	940	15	910	15	95	60	60	0.95	19
QuickTile Tray Only 1200x900 Channel Drain 2S	1200	1140	900	840	65	1010	65	95	60	60	0.95	19



IMPORTANT!

4.5mm x 105mm thick Packer Strips: Butt against leak control flange each side, raise by 2mm at outside to support channel. Bonding in place with construction adhesive.

TILERS NOTES: Re pages 7, 9 & 10

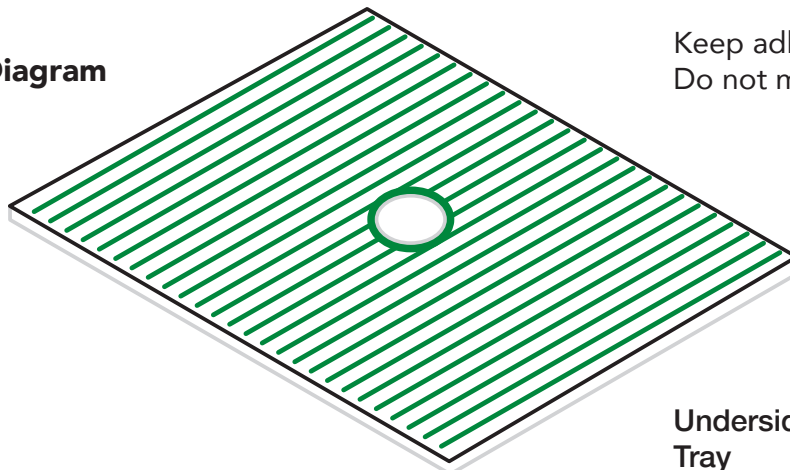
1. Place the Channel drain in position, assess the tile adhesive thickness required to have the channel drain a minimum of 2mm below the tile surface.
2. Water-Stop Overview page: In the Stein range, the Hob application is the only one that applies (Page 9).
3. The Waterproofing Page: The Stein QuickTile Trays are manufactured by Newline and therefore this page outlines the only waterproofing systems recommended.

TRAY BASE: CENTRE WASTE & CHANNEL DRAIN MAXBOND BONDING SPECS

Centre Waste

1. On the Tray base underside, apply a generous bead around waste circle to adhere firmly against waste flange.
2. Start at outside edge applying 8mm beads of adhesive in lines at 55mm centres as Diagram 3.
3. Place tray base into position applying pressure against walls and use even pressure to bed the adhesive into the floor and against waste leak control flange.
4. Protect tray base from access during curing time (Curing rate 2mm to 3mm/24hr at 20 degrees).
5. Elevate room temperatures in cold conditions as under 5 degrees the adhesive is inert.

Diagram



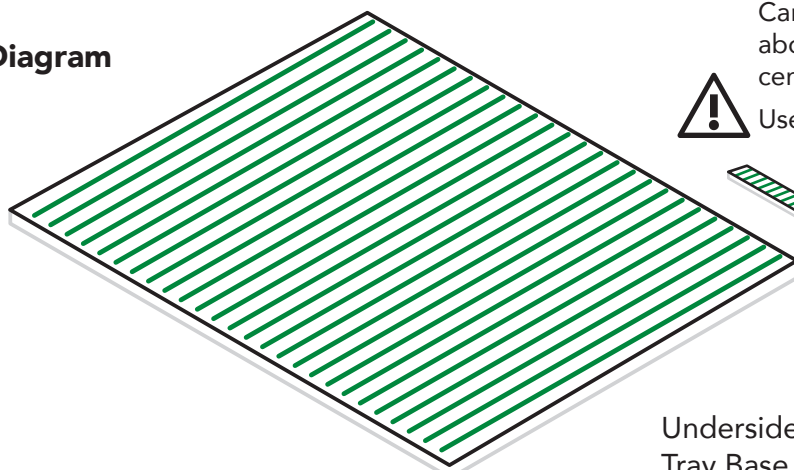
Keep adhesive lines as this Diagram 3.
Do not merge lines as it affects curing.

**Underside of
Tray**

Channel Drain

1. On the Tray base underside and the channel drain packers start at edge applying 8mm beads of adhesive in lines at 55mm centres as Diagram E.
2. Keep adhesive lines as Diagram E and do not merge across lines as this encapsulates solvents and will greatly slow down curing.
3. Place tray base into position applying pressure against walls and use even pressure to bed the adhesive into the floor.
4. Protect Tray Base from access during curing time (Curing rate 2mm to 3mm/24hr at 20 degrees).
5. Elevate room temperatures in cold conditions as under 5 degrees the adhesive is inert.

Diagram



Cartridge bonding with Maxbond (as above). 8mm bead of glue lines at 5mm centres.



Use parallel glue lines exactly as shown.

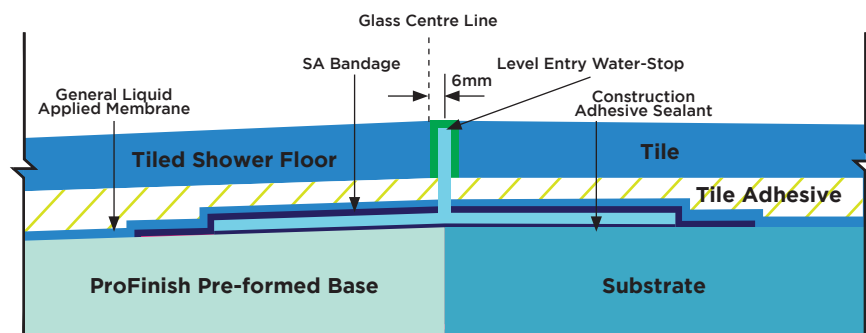
**Underside of
Channel Drain
Packers**

**Underside of
Tray Base**

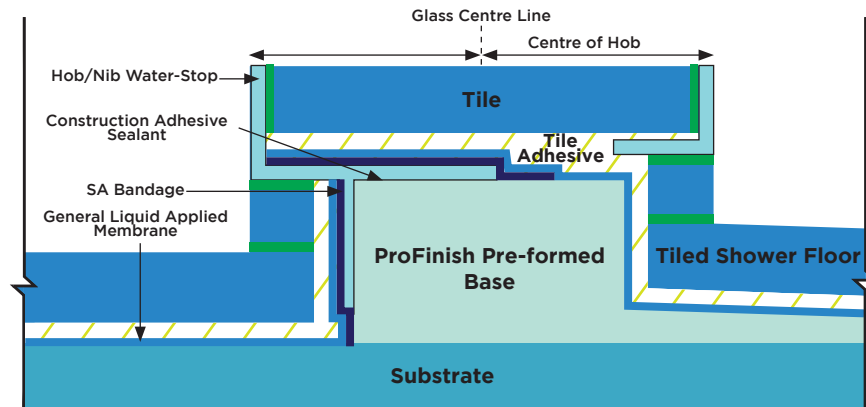
WATER-STOPS MUST BORDER A TILED SHOWER ENCLOSURE FOR WATER CONTAINMENT

All work must comply with AS3740 & E3/AS2 as per IWAM Code of practice.
The leading edge of the Wall Water-Stop Angles must align to glass centre line.
 The green lines in drawings show silicon sealed joints.

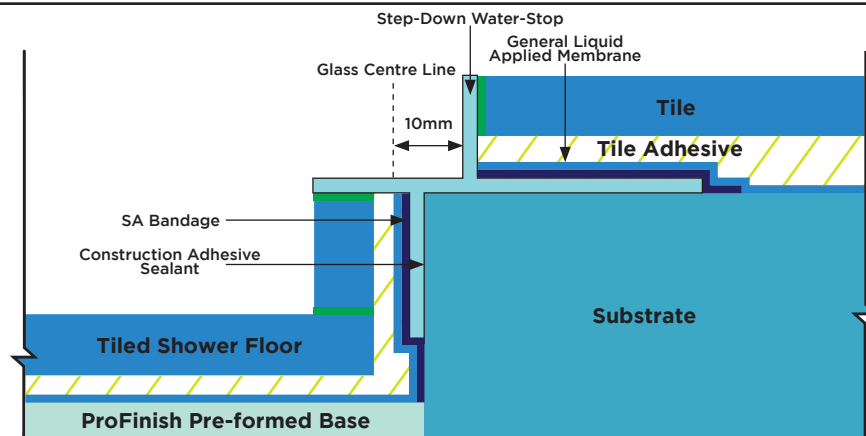
LEVEL ENTRY: Glass line is offset 6mm on shower floor side of Water-Stop



HOB CENTER GLASS: This Water-Stop must be installed to comply with IWAM Code



STEP-DOWN: Glass Centre Line and Wall Water-Stop match up to same mark



ProFinish™ Waterproofing Systems

"QuickTile" Tray Bases are manufactured by Newline with these waterproofing accreditations:

WATERPROOFING

- The Independent Waterproofing Manufacturers listed below have tested their systems and procedures on Newline ProFinish Tile Trays. This represents years of proven track record.
- At the time of publication all Waterproofing Systems hold a BRANZ Appraisal.
- All the Waterproofing Systems listed have an aligned Tiling Systems. You must use the associated Waterproofing & Tiling system for compatibility, performance and accountability.
- A Producer Statement must be provided to the Council Authority and Owner detailing the Waterproofing applicator ID or Code. As an appendage also include the tiling system utilised.
- Applicators must be trained and hold current Accreditation with the respective system being utilised for the Warranty to be valid. We advise you to ask for these credentials.

COMPANY	PRIMER	PRODUCTS	CONTACT	WARRANTY
ARDEX	Prep: Wipe down with damp cloth - No primer	1. ARDEX WPM 155 Rapid (1 Part Poly- Acrylic) 2. Ardex Superflex WPM 002 (2 Part) 3. ARDEX WPM 750 WeldTec Undertile Sheet Membrane*	Ronald Rose 027 838 5691 ronald.rose@ardexnz.com	15 Years *20 Years
DAVCO Tilemax Ltd	Davco Primex	1. Davco K10 Plus - Polyurathane (Coat Primex within 24 hrs) 2. Davco K10 Rapid	Isaac Gordan 022 127 7694 isaac@tilemax.co.nz	15 Years
DRIBOND CONSTRUCTION CHEMICALS	Primax Bonding slurry - Kemcrete mixed 50/50 with cement or Gripflex	1. Hydrathane 2. Liquid Flash 2-Pack 3. Reomat b/breaking Tapes	Steve Plester 022 1205416 sp.conchem@xtra.co.nz	15 Years
LATICRETE GLOBAL TILE	As per instructions No primer required	Hydro Ban Waterproof Membrane	Jared Caldwell 021 654 341 jared@globaltile.co.nz	15 Years
MAPEI	Ecoprim Grip Mapeprim SP	1. Mapelastic AquaDefence 2. Mapegum WPS 3. Mapelastic Smart (2 Part)	Jennifer Price 029 2799 700 jennifer.price@mbpltd.co.nz	15 Years
SIKA (NZ)	As per instructions	Sikalastic-152 (2 Part) Sikalastic-220W	Paul Hunter 09 820 2900 027 499 8805 hunter.paul@nz.sika.com	15 Years
CTA	Prep N Prime	Aquablock SBR Aquablock WPU Aquablock (2 Part)		
Technokolla NZ Trade Supplies Ltd	Prep: Clean and Vac surface. Technokolla Primer 101	1. Technokolla RL80 SeamTape joins Rasolastic Advance (2 Part) 2. Strataflex & Rasogum over laps	Scott Newton 021 243 4343 scott@technokolla.co.nz	15 Years

- Newline warrants the performance and integrity of the Profinish Tile Shower Base for 20 years. Non-conformity to installation instructions has the risk of failure.
- All Waterproofing and Tile Installation must be installed as per manufactures Specifications as any deviation from the instructions may result in a performance failure.
- All Tiling must follow BRANZ Good Tiling Practice Edition 3.

* This document is current as of 07/04/22

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