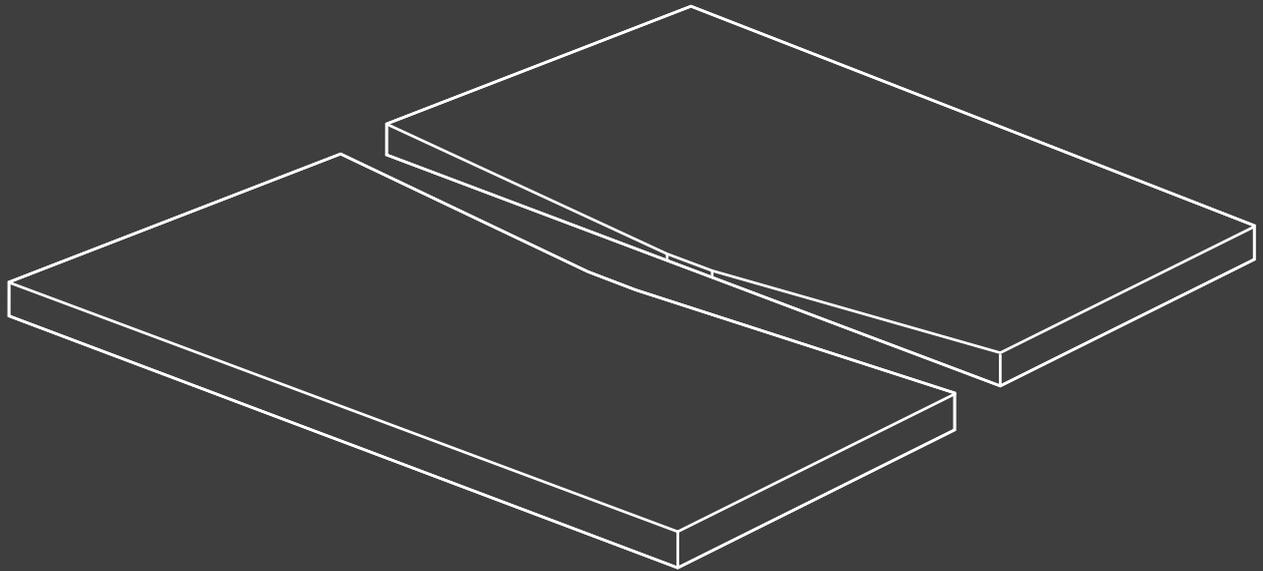


ProFinish™

Jigsaw Installation Instructions



NEWLINE
for a lifetime!



Important!

1. When you receive your Jigsaw tray check that the tray design and size is correct and is free of freight damage.
2. Advise Newline 0508 639 5463 of any fault within 12 hours of receiving goods.
3. Any installation of incorrect or damaged product will invalidate later claims.

Warranty

Faulty goods are covered under warranty. Visit www.newline.nz for details on this. Hot water supply must be fitted with a tempering valve with a maximum of 55 degrees celsius. **Installation must comply with instructions to be valid.**

Underfloor Heating

Any heating system in the floor must have a regulated concrete temperature under 25 degrees and a failsafe monitor to shut down the system in the case of a malfunction. Electric heaters on the surface are not recommended due to much higher surface temperatures.

It is important to check with the waterproofing and tile adhesive supplier on suitability of a heating system used within the shower area.

Health and Safety

Determine location of wiring and piping that could be damaged in construction and be life threatening to personnel. This relates to walls or underfloor heating system.

Wear protective equipment and clothing suitable to the tasks undertaken.

Check material data sheets. Ventilate rooms if using glue or waterproofing that the MDS indicates.

Component Package List

ProFinish Jigsaw Tray components as ordered.

Tiling Outline

Shower Enclosure Tile Requirements

1. Tiles installed should not exceed 6% water absorption as NZ Building Code - Clause E3 Internal Moisture.
2. Thin tiles risk breakage and consequential failure of the surface and waterproofing.
3. Small dimension tiles are not acceptable due to greatly multiply joins/grout lines, reducing essential surface quality, along with increase point loadings.

Tile Installation

- It is best practice to follow all aspects of the BRANZ Good tiling guide.
- Accredited applicators must use complete systems. Waterproofing, Tile adhesive, Grouting and Silicone detailing for full accountability and reliable outcomes.
- The Notched Trowel lines must be vertical on walls and lead to the waste outlet on floor. Also Notched Trowel must meet the specific system compliance for adhesive coverage.
- Grout must comply with the specific application with epoxy grout being the preferred option.
- All areas that have movement must be silicone sealed, i.e. internal/external corners and where different surfaces meet, i.e. floor to drain fittings.
- The shower enclosure must have a "Water Stop" design to comply with AS3740. This guards against moisture transition under the tile and above the waterproofing (refer to page 8).

NOTE: The above tiling installation Items have been included to alert the installer to his obligations and are not a specification. Consult your material system supplier for technical advice and industry guidance from TANZ to guarantee the NZ Building Code E3 is adhered to.

Before You Start

- The ProFinish tile tray must not be rebated into the cladding but abutted against the lined wall (refer to walls below for details).
- The waste flange must be installed into the floor before gluing tray down.

Preparation Checklist

Walls: These must be plumb and flat.

- Framing must provide solid support for the wall channels (30mm back from join for hob tray to floor or centred to the join for level entry tray).
- Use Villaboard cladding or equivalent “wet area” grade to comply to the Building Code and fastened to manufacturer’s specifications for strength and tile loadings.

Floors: These must be level and flat.

Wood Floors

- The flooring substrate options. H3.2 treated Ply (no LOSP treatment), Fibre-cement flooring.
- Framing must be at 400mm maximum in both directions to establish rigidity.
- Floor levelling compound maybe required to level up.
- When fitting ProFinish Tile Trays to timber floors we recommend the use of Hardies Slate Tile underlay fastened as per their specifications.

Concrete Floors

- Structural integrity, level with a flat surface. Paint or sealant on the surface must be removed to gain an absorbent surface.
- Floor levelling compound or grinding maybe required to level up.
- If the concrete pour or a plaster screed has recently been laid the moisture content must be tested. To arrive at the relative humidity, 75% is the maximum permissible. Remedial treatment must be done if too high.

Plumbing

- All plumbing must be installed by a licenced plumber. The mixer and fittings must be sealed at entry through the wall.

Tiles

- Ensure you have checked the “Tiling Outline” on previous page and how this may affect your installation.

Waterproofing

- Refer to back page for waterproofing guidance.

GENERAL

The system allows you to form a shower base to various shapes in minutes by butt joining and gluing components together to achieve the tray shape and size you require. Installation is quick and easy using components of high density polyurethane that are manufactured with a consistent fall to the waste and fit together like pieces in a jigsaw.

When glued to the floor they will provide an even slope for waterproofing and tiling over.

The combination of the central two piece TILEBASE component and matching Slope Extension (SLOPEEXT), allows an amazing flexibility to customise the shape of the shower while maintaining the required gradient to meet NZ Building Code.

The number of components needed to form the shape of the shower base you require is dependent on the position of your shower waste. Measurements are taken from the centre of the waste to the side walls as well as the outer perimeter of the shower base. These dimensions can either be measured on site or taken from drawn diagrams and house plans. From here the components required can be determined.

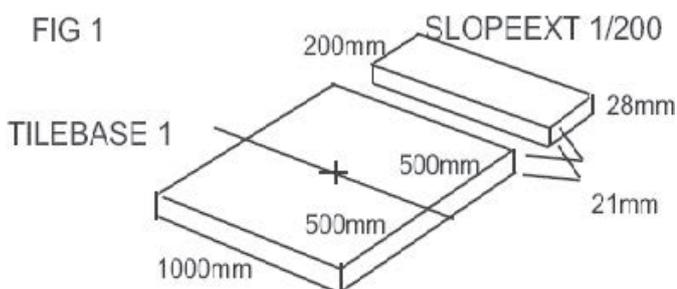
GUIDELINES

Basic fitting procedure is to temporarily place the two halves of the TILEBASE in position centred over the waste outlet. If the distance between the centre of the waste and the side wall is greater than the chosen central TILEBASE then the corresponding SLOPEEXT is cut to fill the gap. In situations where the distance from the centre of the waste to a side wall is less than the width of the central TILEBASE component the TILEBASE component is trimmed down with a Stanley knife and straight edge to fit. Pieces are then glued in place. Once experience has been gained in using the system the pieces can usually be glued in place immediately without temporary placement.

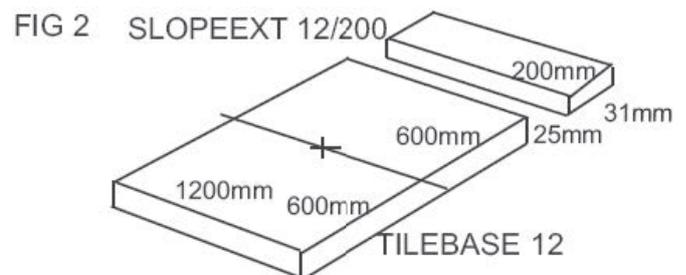
When deciding which components you require it is often preferable to choose the “next largest size” TILEBASE as an alternative to using the SLOPEEXT components as this reduces the number of joints required. This does however depend on the shower base size required and is not always possible.

E.g. Tray size required 968mm x 1480mm with central waste.

Figure 1 shows TILEBASE 1 and SLOPEEXT 1/200 would be wide enough however they are not long enough. You would have the choice of using TILEBASE 12 and SLOPEEXT 12/200 or TILEBASE 15. In both cases the components would need to be trimmed down to fit.



TILEBASE 1 = 2 pieces 500 x 1000mm



TILEBASE 12 = 2 pieces 600 x 1200mm

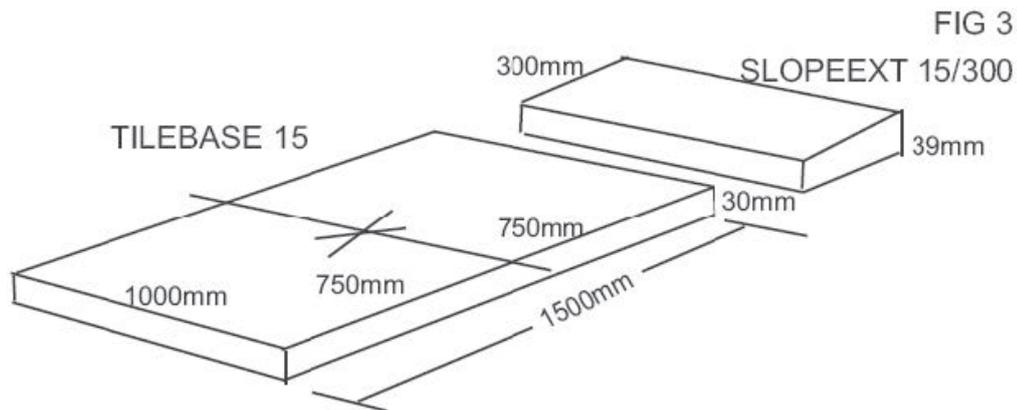
GENERAL Continued

SLOPEEXT 1/200 = 1 piece 200 x 1000mm

SLOPEEXT 1/200 can be added to all sides of TILEBASE 1 to produce tray 1400 x 1400mm maximum. Note that 5x SLOPEEXT 1/200 will be required to achieve this. For smaller size trays trim with a sharp knife or fine bladed saw. For 1st or 2nd story applications or any trays that are installed above the substrate add TILEBASEHOB60.

SLOPEEXT 12/200 = 1 piece 200 x 1200mm

SLOPEEXT 12/200 can be added to all sides of TILEBASE12 to produce tray 1600 x 1600 max. For smaller size trim with a sharp knife or fine bladed saw. For trays sitting on top of flooring add TILEBASEHOB60.



TILEBASE 15 = 2 pieces 750 x 1000mm

SLOPEEXT 15/300 = 2 pieces 300 x 1000mm

SLOPEEXT 15/300 can be added to all sides of TILEBASE 15 to produce a tray 2100 x 1600 max.

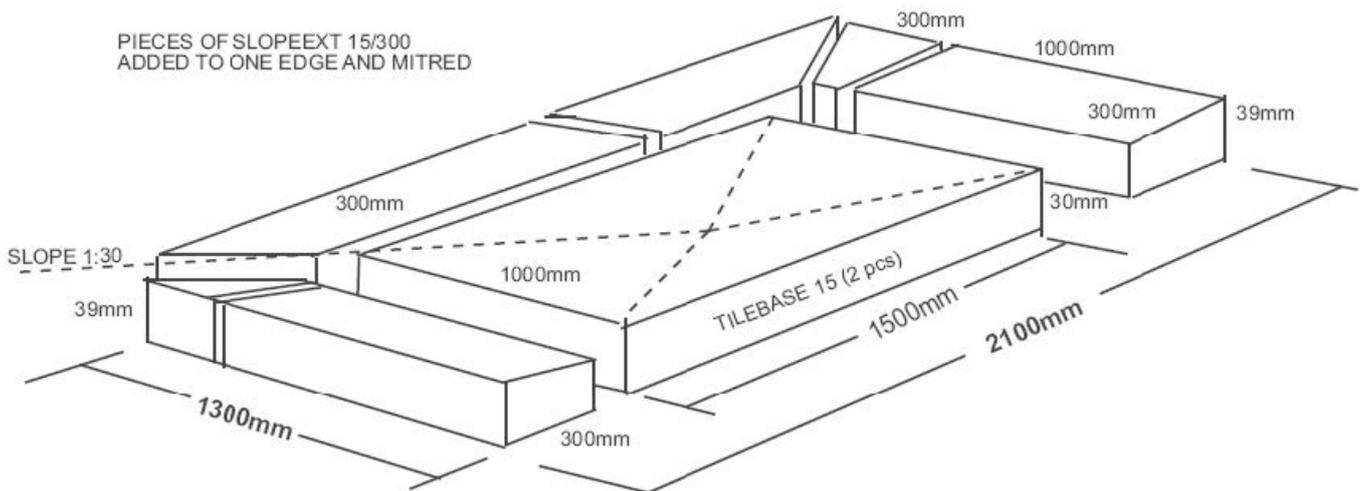
For smaller size trim with a sharp knife or fine blade saw. For trays sitting on top of flooring add TILEBASEHOB60.

SLOPE EXTENSIONS CAN BE ADDED ON ALL SIDES TO INCREASE WIDTH OF BASE.

If you require a tray larger than 2100x1600 please contact quotes@newline.co.nz to assist with ordering a custom made tray.

EXAMPLE 1

Showing SLOPEEXT 15/300 being added to a TILEBASE 15. Size of shower base required is 2100 x 1300mm. Waste position 1050 x 500mm. Typical example where shower base is to be recessed into floor. For fitting on top of flooring refer example 2 below using TILEBASEHOB60.



EXAMPLE 3

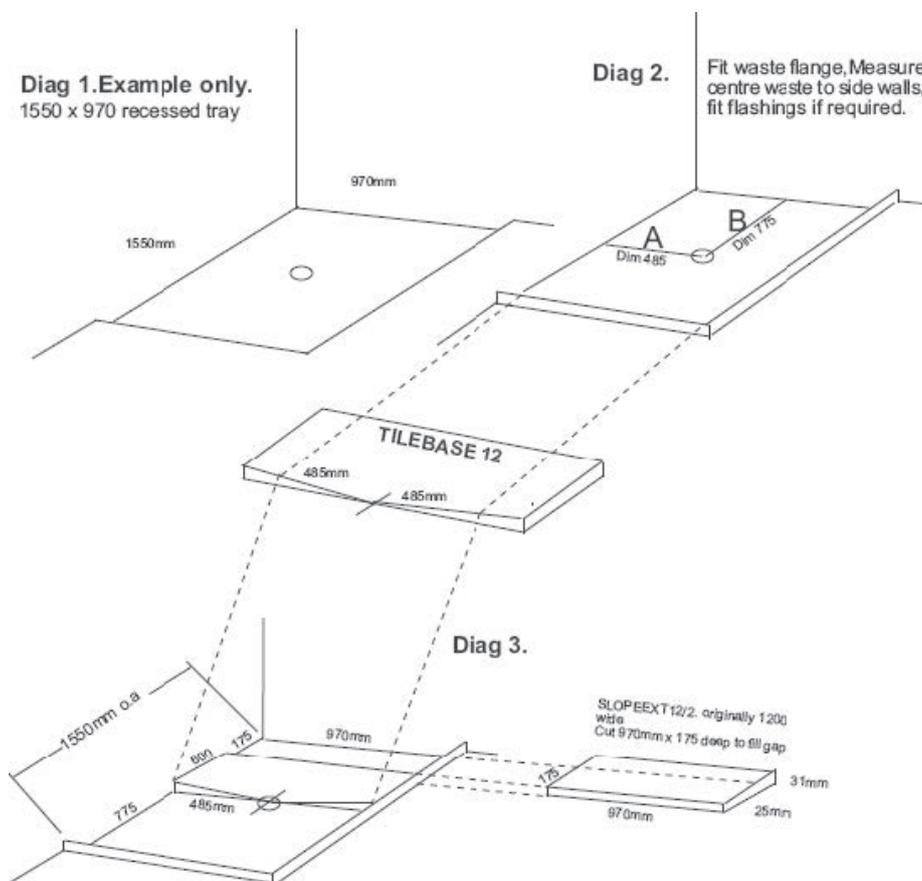
Below the tray is recessed and is 970 x 1550mm.

TILEBASE 1 and SLOPEEXT 1/200 would not be long enough (max (1400mm)

TILEBASE 12 and SLOPEEXT 12/200 cover an area larger than required (1600 x 1200mm)

TILEBASE 15 is not large enough as a single component (max 1000 x 1500mm). SLOPEEXT would also be required.

TILEBASE 12 and SLOPEEXT 12/200 is the best alternative as it makes the greatest use of the SLOPEEXT components.



Installing the Tile Tray

1. From the established waste position mark the centre point on the Jigsaw ProFinish Tray and cut out circle to fit up to waste flange (refer to Step 2, page 5).

Note: If the leak proof waste hasn't been installed use the flange as a cutting template on tray.

2. Install the leak proof waste to substrate and final alignment of tray components. The tray must not be installed over the waste flange.

Diagram 1: Fitting

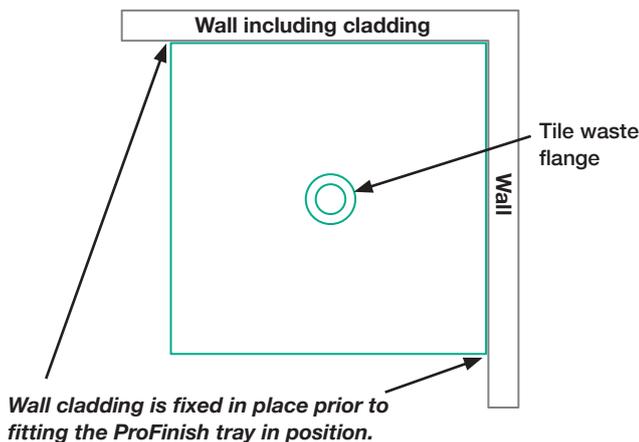
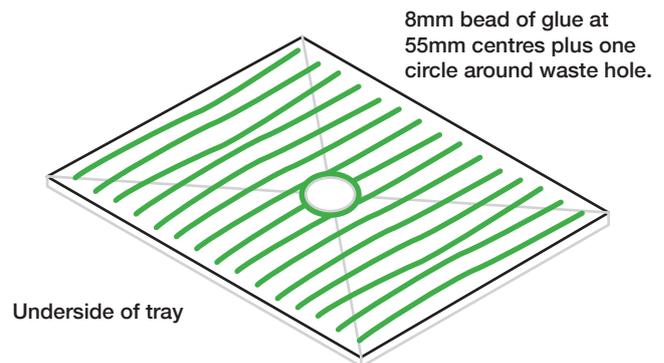


Diagram 2: Bonding of Tray



Tray Bonding To Floor

OPTION A Maxbond Cartridge Bonding

1. Apply 8mm bead glue lines at 55mm centres on underside of tray and joins of jigsaw.
2. Place on floor and apply pressure evenly. Lift up to release solvents (half minute to 4 minutes relative to temperature).
3. Apply generous MS adhesive where the tray abuts the wall board. This is an important foundation for waterproofing later. 2-Sided can be completed readily but 3-Sided will need method to complete this.
4. Weigh down and hold in position. Allow 48 hrs for adhesive to cure sufficiently to hold.

Note: Temperatures under 5° will hold the glue dormant. Elevate the room to 10° minimum for curing.

OPTION B Tile Adhesive Bonding

This option applies to masonry surface, Tile and slate underlay over timber or concrete surface.

1. Apply a C2S2 Tile adhesive by trowelling out the adhesive on the back of the tray and floor area.
2. Apply generous MS adhesive where the tray abuts the wall board. This is an important foundation of waterproofing later. A 2-Sided can be completed readily but 3-Sided will need method to complete this.
3. Apply the tray into the wet adhesive as a “wet on wet” contact.
4. Press down and hold components together and against the walls. Ensure 100% coverage and exclusion of air.
5. The waterproofing first coat can proceed immediately but there “must not” be any pressure placed on the ProFinish tray until the full cure time of the tile adhesive is reached. Partially cured tile adhesive risk adhesion failure if weight is applied until fully cured.

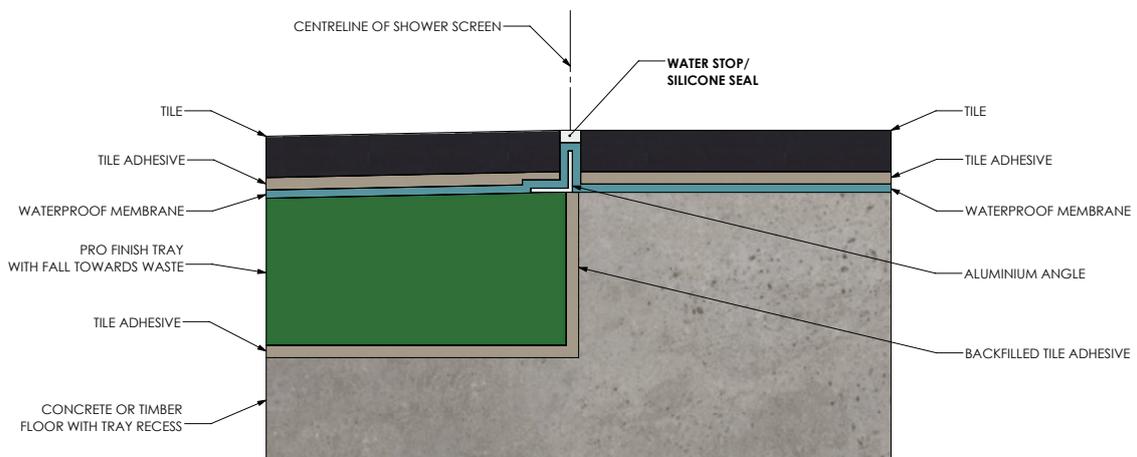
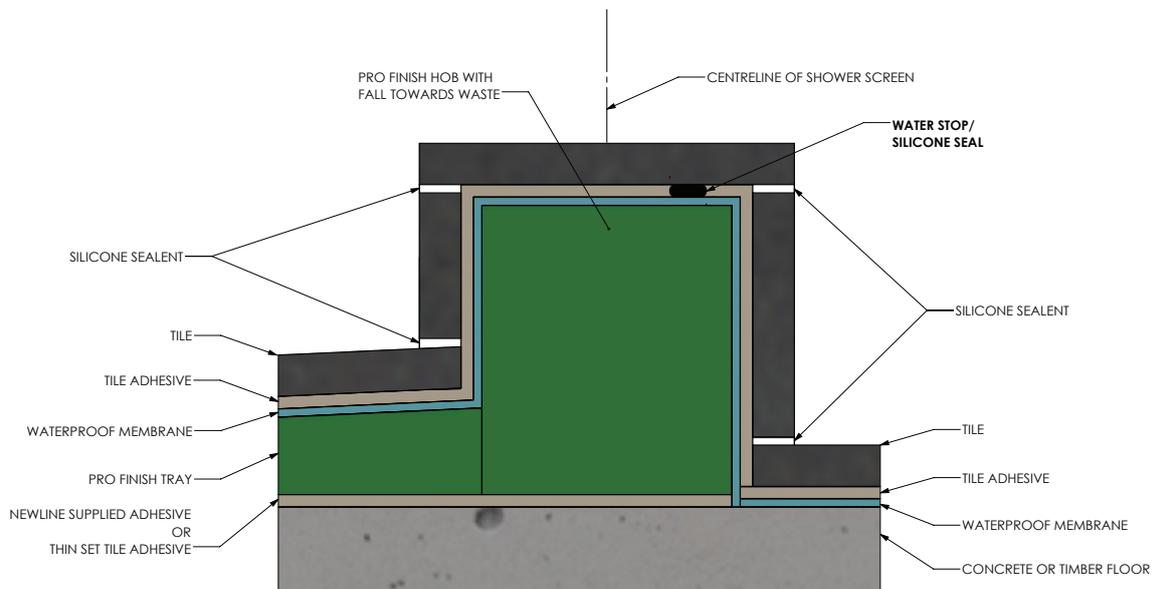
Approx curing times: Standard C2S2 8 hrs minimum. Rapid C2S2 2 hrs minimum.

Consult with your supplier: For their specific recommended cure times and conditions.

Tiled Hob or Level Entry Shower Moisture Containment

1. When installing tiles in a Hob or Level entry it is important to install a "WATER STOP" to prevent moisture from tracking under tiles. All work must meet the requirements of AS3740.
2. The two drawings following indicated the positioning of these Water Stops. An alternative position is acceptable if it can be demonstrated it complies with AS3740.
3. This Water Stop line must be continuous and carried up the wall under the tiles. This is to fully encapsulate the shower recess from migration of moisture.

HOB TRAY CROSS SECTION: HOB DETAIL
SCALE 1:1



Note: "The Water Stop" details are to alert the tiler to his obligations. For technical advice Consult your materials supplier, industry guidance from TANZ, "Good Tiling Practice" publication from BRANZ to ensure compliance with the NZ Building code..

ProFinish™ Tile Tray Waterproofing

WATERPROOFING

- The Independent Waterproofing Companies 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 (2Part) 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
LADICRETE GLOBAL TILE	Prep: as instructions No Primer	Hydro Ban SBR	Chris Anderson 021 784 162 Chris@globaltile.co.nz	15 years
MAPEI	Ecoprim Grip (1part) Magelastic SP (2 part)	1. Mapelastc AquaDefence 2. Mapegum WPS 3. Mapelastc Smart (2part)	Heidi Clark 027 6455 122 heidi.clark@mapei.co.nz	15 years
SIKA (NZ)	Per Instructions	Sikalastic-152 (2 Part) Sikalastic-220W	Andy Williams 09 820 2900 021 421 084 williams.andy@nz.sika.com	15 years
CTA	Prep N Prime	Aquablock SBR Aquablock WPU Aquablock (2 Part)		
Tiling Trade Supplies T/A Technokolla NZ	Prep: Clean and Vac surface. Technokolla 101	1. Technokolla RL80 SeamTape joins Rasolastic Advance. Two Part 2. Strataflex & Rasogum over laps	Dave Boyes 0275 635 891 dave@technolla.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 manufacturer's specifications as any deviation from the instructions may result in a performance failure.
- All tiling must follow BRANZ Good Tiling Practice.

* This document is current as of 10 December 2018.

NEWLINE
for a lifetime!

Head Office: 3 Hynds Road, Greerton, Tauranga 3112

Email: info@newline.co.nz

Freephone: 0508 639 5463 Phone: 09 444 2053 Fax: 09 443 0044

www.newline.co.nz