

Davco

EXCELLENCE IN
TILING SYSTEMS



PAREXGROUP
Building expertise, together

When ParexGroup people come together to lend their hand to a project, success happens.

Specification For **TILEMAX LTD NZ**

Specification for tiling over the Showerwell Tanking System

May 4, 2018

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QUALITY ASSURANCE:

ParexGroup's business activities located in Sydney, Brisbane, Melbourne and Perth are accredited to ISO 9001, as assessed by SAI Global.

Our products undergo rigorous Quality Control testing at our National Testing Laboratory in Sydney.

PREAMBLES:

This document is submitted on the understanding that the sub layers are sound, of regular construction and are not subject to undue/excessive thermal or structural movement.

The document, the guidance notes and other specific guidelines should be read in conjunction with the Application Guides, Technical Data Sheets, Material Safety Data Sheets and/or container labels. Product technical and material safety data sheets can be obtained from our website. www.parexdavco.com.au

The contractor shall be able to confirm satisfactory operative skill levels in the use of all specified ParexGroup materials to include: storage, mixing, application and curing.

At the start of the contract, we recommend that a representative example of the works be established for use as a guide and point of reference.

This specification is valid for one year from the date of issue at which point advice should be sought from ParexGroup to confirm validity.

ParexGroup must be contacted prior to any work if there are any unusual substrates, conditions or if there is any uncertainty regarding product suitability.

If any tiling is to take place, the Installer and Specifier are responsible for determining the suitability of these tiles to this application and ensuring they comply with AS4662 Ceramic tiles — Definitions, classification, characteristics and marking, prior to installation taking place. This specification cannot cover the suitability of tiles for intended use.

SURFACE PREPARATION:

Examine surfaces to receive bedding mortars, floor levelling compounds, waterproofing membranes or tile adhesives and the conditions under which these products will be installed.

Do not proceed with tiling works etc. until surfaces and conditions comply with the following requirements.

Note - Commencement of installation constitutes acceptance of site conditions.

This specification has restrictions with respect to temperature. During the application of all ParexGroup products, the installation must not be exposed to temperatures below 5°C or above 35°C. In particular; any external tiling, waterproofing, floor levelling, grouting or concrete repair installations must be protected from hot windy conditions and or rain and heavy frosts during application.

The surface to be tiled must be even and true, such that the variance in the surface is no greater than specified in Section 4 of AS 3958.1: Guide to the Installation of Ceramic Tiles. (Maximum variation in plane of background = 4 mm in 2 metres).

The surface should be structurally sound, dry and clean. This involves being free from movement, oils, greases, waxes, paints, curing compounds, release agents, sealers and any other loose contaminating

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materials. This can be done via mechanical abrasion that could involve such means as scabbling, grinding or shot blasting the areas to be tiled.

The surface needs to be prepared so as to expose the aggregate and allow a good mechanical key for the subsequent application.

EXPANSION JOINTS:

Expansion or Movement joints are required by Australian Standard AS3958.1 2007 for the following purposes.

- To separate the tiled surface from fixed elements such as columns or walls.
- To divide large tiled areas into smaller areas to compensate for induced strain from various causes in the installation.
- To interrupt the tiled surface to match existing movement joints in the substrate.

All expansion or movement joints (for floors and walls) must be carried through both the tile **AND** bedding material, to the background substrate. They must be filled with permanently deformable material such as silicone or polyurethane and be resistant to chemical and physical attack. Joints other than those protected by metal or rigid plastics edging, subject to traffic heavier than light pedestrian, should not be wider than 10 mm.

PRIMING:

Porous surfaces must be primed with Davco Ultraprime.

Non-porous substrates such as steel trowelled concrete, compressed fibre cement sheeting or Scyon board etc. should be primed with Davco PrimeX.

Under hot, windy conditions (temp. above 30°C), it is essential to wet down any concrete substrates with clean water prior to priming, so that the primer does not flash dry. When wetting down the floor, do not allow the water to pool or pond on the surface. The substrate should appear matt, with no signs of glistening water evident prior to application of the primer.

Showerwell Wall Lining

The wall lining material as tested by ParexGroup should be lightly sanded and all residual dust removed prior to the application of the Ultrabond. Apply Ultrabond to the wall liner as per instructions in the technical data sheet attached.

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WATERPROOFING:

All waterproofing membranes need to be installed in accordance with AS3740 Waterproofing of Domestic Wet Areas, or AS4654 for External installations.

The floor in any residential shower recess needs to have a fall to the drain, such that any water on the surface will run to the drain, and not pond on the surface. If the floor does not have such falls incorporated, a screed will need to be installed to create the falls.

Showerwell Tray

Prior to adhering the Showerwell Tray, the Concrete or Ceramic Tile Underlay (over timber flooring) substrate should be primed with Davco Ultraprime or PrimeX.

When adhering the Showerwell Tray, Davco SMP Evo should be used as the fixing system to adhere the tray to the substrate using a 10mm notched trowel along with back buttering the tray prior to placing the tray unit.

The Showerwell prefabricated shower tray should firstly be primed with Davco Ultraprime or PrimeX.

A small bead of silicone should be applied to the inside joint at the shower tray/stainless steel junction.

Apply 2 – 3 coats of Davco K10 Plus or K10 Rapid as required to produce a membrane of the required film thickness. See K10 Plus and K10 Rapid datasheet for further information.

TILE ADHESIVE:

All tiling works should be undertaken in accordance with the requirements of AS3958, Installation of Ceramic Tiles.

Floors: (Showerwell Shower Tray)

Apply Davco SMP Evo or Davco Ultrabond to the shower tray using a suitable size notched trowel before placing the tile unit. See datasheet for further information.

Walls: (Showerwell Wall Lining)

Lightly sand the Showerwell wall lining and remove all dust.

Apply Davco Ultrabond (as a bonding primer) to the substrate using as per specifications detailed in the technical data sheet attached. Allow 24 hours to cure.

Basic Mixing Ratios Below:

Best ratio is 4KG of powder to 1L of Liquid.

2kg to 500ml

4Kg to 1000ml

6kg to 1500ml

(cont. on next page.)

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8kg to 2000ml

10kg to 2500ml (coverage should be about 3.5m² at this volume)

Refer to current TDS + Specifications Document (tilemax.co.nz/trade-and-technical/technical-resources/showerwell-tile-safe-system) for more information.

Apply Davco SMP Evo to the substrate using a suitable size notched trowel before placing the tile unit. See datasheet for further information.

GROUT:

For joints 1 – 8mm wide, apply Davco Elite Colourgrout. For improved performance use Davco 4 in 1 Grout Additive or Davco Grout Cure when preparing the grout mixture. See datasheets for further information.

For Joints 1-5mm wide, apply Davco Easy grout.

ATTACHMENTS:

Technical Data Sheets – Davco Ultraprime, Davco PrimeX, Davco K10 Plus, Davco K10 Rapid, Davco Ultrabond, Davco SMP Evo, Davco Elite Colourgrout, Davco 4 In 1 Grout Additive and Davco Grout cure



Davco 4 in 1 Grout Additive Data Sheet.



Davco Easy Grout Data Sheet .pdf



Davco Elite ColourGrout Data SI



Davco Grout Cure Data Sheet.pdf



Davco K10 Plus Data Sheet.pdf



Davco PrimeX Data Sheet.pdf



Davco K10 Rapid Data Sheet.pdf



Davco SMP Evo Data Sheet.pdf



Davco Ultraprime Data Sheet.pdf

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Specification Scope of Works

Waterproofing of Showerwell Tray.

Priming-

1. Prime the Showerwell Tray with Davco Ultraprime or PrimeX

Bond Breaker-

2. A bond breaker must be applied to the internal joint where the stainless-steel angle sits over the Showerwell Tray. This can be achieved by placing Gaffa Tape over that joint.

Waterproofing-

3. Apply two (2) coats of Davco K10 Plus (*Branz Appraised*) waterproofing membrane over the primed Showerwell Tray and over the upturn of the stainless-steel angle.

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Specification Scope of Works

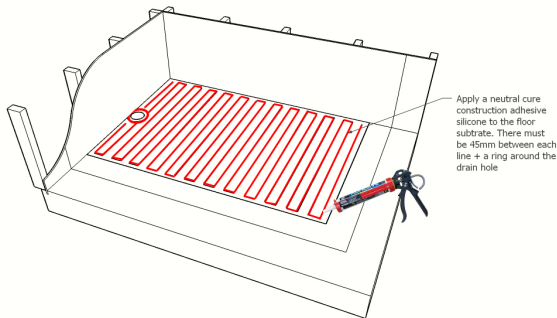
Bonding of the Showerwell Tray to the substrate.

Priming-

1. Prime the concrete or ceramic tile underlay substrate with Davco Ultraprime or PrimeX

Adhesive-

- 2a. Prime and bond the tray to the substrate using a suitable tube construction adhesive.



- 2b. Apply the Davco SMP Evo to the substrate using a 10mm x 10mm notched trowel. The adhesive beads should all be trowelled in the same direction. The bottom of the Showerwell Tray should also be back buttered with the adhesive prior to the placement of the tray into position. When placing the tray into position, it should be placed then moved across the beads and back in the opposite direction to the beads of adhesive to maximise complete coverage leaving no voids under the tray.

Drying-

3. Allow tray to bond and cure fully in accordance with the product and climate conditions.

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Specification Scope of Works

Tiling over the Showerwell (ABS) wall liner.

Priming-

1. No priming is required over the Showerwell (ABS) wall liner. However the liner should be lightly sanded and cleaned leaving absolutely no dust residue.

Adhesive-

2. Apply Davco Ultrabond (as a bonding primer) to the substrate as per specifications detailed in the technical data sheet attached. Allow 24 hours to cure.

Basic Mixing Ratios Below:

Best ratio is 4KG of powder to 1L of Liquid.

2kg to 500ml

4Kg to 1000ml

6kg to 1500ml

8kg to 2000ml

10kg to 2500ml (coverage should be about 3.5m² at this volume)

Refer to current TDS + Specifications Document (tilemax.co.nz/trade-and-technical/technical-resources/showerwell-tile-safe-system) for more information.

Apply Davco SMP Evo to the substrate using a suitable size notched trowel before placing the tile unit. See datasheet for further information.

Grouting-

3. For joints 1 – 8mm wide, apply Davco Elite Colourgrout. For improved performance use Davco 4 in 1 Grout Additive or Davco Grout Cure when preparing the grout mixture. See datasheets for further information.

For Joints 1-5mm wide, apply Davco Easy grout.

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