

DESCRIPTION

TAL SUPERFLEX is a ready to use acrylic based liquid waterproofing system which may be applied by brush or paint roller. When reinforced with TAL SUPERFLEX MEMBRANE, it cures to provide a flexible, waterproof membrane capable of accommodating normal structural movement in the background and is suitable for waterproofing shower recesses, internal wet areas, external decks, non-trafficable roof slabs and parapet walls.

The TAL SUPERFLEX system consists of:

TAL SUPERFLEX – a highly modified acrylic waterproofing compound that bonds well to prepared surfaces

The TAL SUPERFLEX system must be used in conjunction with:

TAL FLOOR PRIMER – primer for rough, porous surfaces or TAL FLOORKEY – primer for smooth, dense, impervious surfaces

TAL SUPERFLEX MEMBRANE – a non-woven polyester cloth used as a reinforcing membrane

FEATURES

- easy to apply
- one component, no mixing of numerous products
- water based, no solvent hazard
- lightweight
- excellent adhesion to most substrates after correct surface preparation
- resists water ponding when fully cured
- flexible – moves with the structure in normal expansion and contraction conditions
- seamless – no weak joints or seams
- UV resistant – good resistance to ageing
- Simple to repair in the event of damage
- Available in white, grey and beige

AREAS OF APPLICATION

TAL SUPERFLEX is suitable for:

- waterproofing interior and exterior surfaces subjected to water penetration (NOT rising damp)
- bathrooms, shower recesses, laundries, and all wet areas required a tiled finish
- Swimming pools and wading pools when covered with tiles or decorative toppings
- Water containment areas such as water features, ponds and fountains when covered with tiles or decorative toppings
- Walls and floors over concrete, cement render, marine plywood, metal, fibre cement sheets, and exterior grade plasterboard

PRECAUTIONS

- TAL SUPERFLEX is non hazardous. However, in the case of eye contamination, rinse thoroughly and seek medical advice
- TAL SUPERFLEX should not be used over surfaces where rising damp is a problem
- Do not apply TAL SUPERFLEX in temperatures below 10°C or greater than 30°C. The waterproofing application should not be commenced if rain appears imminent – rain will dilute the wet SUPERFLEX and cause run-off
- TAL SUPERFLEX is only to be used as supplied by the manufacturer
- Do not tile over TAL SUPERFLEX until it has fully cured
- TAL SUPERFLEX must not be used as a tanking membrane



SUPERFLEX®

Waterproofing System

- Ready to use
- Resilient and flexible
- UV resistant
- Can be used on many different surfaces
- Tiles may be directly applied

Waterproofing

ACRYLIC

tal

TECHNICAL ADVICE CENTRE NATIONWIDE 0860 000 TAL(825)

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TAL SUPERFLEX®

SURFACE PREPARATION

The surface must be structurally sound, clean and dry and free from shutter release and curing agents, laitance and surface contamination such as dust, dirt, waxes, oils, old adhesives, paint, grease, sealants, weak cement screeds and renders, etc. Bituminous compounds must be removed completely. New concrete or screeds must be at least 28 days old, and new renders or brickwork must be at least 14 days old. Any surface defects must be made good (holes can be filled using TAL RAPIDFIX) and all protrusions which may pierce the membrane must be removed. Cementitious backgrounds must have a moisture content of 3% or less before the waterproofing application can be commenced.

Concrete	-	must be at least 42 days old
Screed	-	must be at least 28 days old
Render	-	must be at least 14 days old
Boards and sheets	-	must be securely fastened to the framework at maximum 300mm centres in both directions

PRIMING

All surfaces to be waterproofed must be primed, as follows :

Woodfloated (rough, porous) surfaces - prime with a coat of neat TAL FLOOR PRIMER

Powerfloated or steel-trowelled (smooth, dense, impervious) - prime with a slurry consisting of 1 part TAL KEYCOAT mixed with 2 parts cement (by volume), which is brushed onto the floor.

Wooden surfaces – prime with TAL WOODSEAL, then prime with a TAL KEYCOAT slurry within 2 - 4 HOURS of the WOODSEAL application.

Metal surfaces – prime with an anti-corrosive primer, then prime with a TAL KEYCOAT slurry

Partition walling – prime with a coat of neat TAL FLOOR PRIMER. Allow to dry, then apply a second coat of TAL FLOOR PRIMER in a cross direction

The priming coat will dry in 20 – 30 minutes, depending on weather conditions

APPLICATION

Small cracks :

- Remove loose particles and clean thoroughly
- Prime with TAL FLOOR PRIMER
- Fill cracks with a high quality silicone sealant
- Apply a polyethylene tape over the crack, followed by the TAL SUPERFLEX system

Movement and Construction Joints :

- Remove loose particles and clean thoroughly
- Prime with TAL FLOOR PRIMER
- Fill the joints with a high quality silicone sealant
- Apply the TAL SUPERFLEX and SUPERFLEX MEMBRANE to both sides of the joint. Alternatively, when the waterproofing is left exposed, carry the application of TAL SUPERFLEX over the expansion joint using polyethylene tape as a slip mat over the joint.
- NOTE: When tiling, all movement joint and construction joints must be carried through to the face of the tiles
- Fill the joints between the tiles on top of the movement joints with an appropriate joint sealant

Coving Areas and Internal Corners

- Remove loose particles and clean thoroughly
- Prime rough, porous surfaces with TAL FLOOR PRIMER and smooth, dense or impervious surfaces with a TAL KEYCOAT slurry coat (1 part TAL KEYCOAT to 2 parts cement, by volume). Paint the primer onto the surface using a block brush, and allow to dry completely before proceeding.
- To allow for movement, apply a 10mm silicone bead in the coving areas and corners.
- Apply the first coat of TAL SUPERFLEX, then immediately bed the TAL SUPERFLEX MEMBRANE into the wet coat. The membrane must be pushed into the corners, ensuring that the entire interface is covered with SUPERFLEX MEMBRANE. Apply a second coat of TAL SUPERFLEX to completely saturate the membrane before the first coat dries.
- The TAL SUPERFLEX application should be taken up underneath any existing cover flashing or appropriate flashing should be applied.

Roof Penetrations :

- Approximately 20cm of the pipe from the surface of the slab should be mechanically abraded to roughen it and remove all traces of surface contaminants
- Metal pipes must be primed with an anti corrosive agent, and all pipes must be primed with a TAL KEYCOAT Slurry (1 part TAL KEYCOAT to 2 parts cement, by volume). Allow the slurry coat to dry completely before proceeding.
- To allow for movement, apply a 10mm silicone bead around the base of the pipe
- Apply the first coat of TAL SUPERFLEX, then immediately bed the TAL SUPERFLEX MEMBRANE around the pipe and surrounding substrate. The membrane must be pushed into the corners, ensuring that the entire interface is covered with SUPERFLEX MEMBRANE. Apply a second coat of TAL SUPERFLEX to completely saturate the membrane before the first coat dries

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Shower Recesses :

- Prime rough, porous surfaces with TAL FLOOR PRIMER and smooth, dense or impervious surfaces with a TAL KEYCOAT slurry coat (1 part TAL KEYCOAT to 2 parts ordinary cement, by volume). Paint the primer onto the surface, including into the floor waste, using a block brush, and allow to dry completely before proceeding.
- Internal Corners and Interfaces
 - To allow for movement, apply a 10mm silicone bead in all internal corners and joint around the waste pipe / floor waste and around the tap and rose plumbing.
 - Apply the first coat of TAL SUPERFLEX to these areas. Immediately bed the TAL SUPERFLEX MEMBRANE into the wet SUPERFLEX, ensuring that there are no wrinkles or air bubbles trapped beneath the membrane. The membrane must be pushed into the corners, ensuring that the entire interface is covered with SUPERFLEX MEMBRANE. Apply a second coat of TAL SUPERFLEX to completely saturate the membrane before the first coat dries
- Floor Waste
 - Apply a coat of TAL SUPERFLEX up the pipe and immediately bed the TAL SUPERFLEX MEMBRANE into the wet TAL SUPERFLEX. Apply a heavy coat of TAL SUPERFLEX over the membrane to completely saturate the membrane before the first coat dries
 - For wastes that are flush with the floor, take the application down into and around the waste or use the puddle flange system (check local council regulations)
- Walls and Floors
 - Apply the first coat of TAL SUPERFLEX over the primed surface. Immediately bed the TAL SUPERFLEX MEMBRANE into the wet SUPERFLEX. Ensure that there are no wrinkles or air bubbles trapped beneath the membrane and that the membrane is adhered to the substrate by pressing the membrane with the roller in 2 different directions. Apply a heavy coat of TAL SUPERFLEX over the membrane to completely saturate the membrane before the first coat dries
 - Ensure that the main application overlaps the corner and floor waste applications by at least 50mm
 - Shower walls must be waterproofed to full rose height
 - Allow the SUPERFLEX system to dry completely (at least 3 days, depending on ambient conditions) before tiling is commenced.

Roof Slabs and Balconies :

- Roof slabs must have a minimum slope of 1 in 60 and provisions for drainage.
- Apply the first coat of TAL SUPERFLEX over the primed surface using a paint brush or roller. Immediately bed the TAL SUPERFLEX MEMBRANE into the wet SUPERFLEX. Ensure that there are no wrinkles or air bubbles trapped beneath the membrane and that the membrane is adhered to the substrate by pressing the membrane with the roller in 2 different directions. Apply a heavy coat of TAL SUPERFLEX over the membrane to completely saturate the membrane before the first coat dries
- The membrane should have a minimum overlap of 50mm
- Allow the SUPERFLEX system to dry completely (at least 3 days, depending on ambient conditions) before walking on the floor or commencing tiling
- A third coat of TAL SUPERFLEX should be applied if the system is to be left exposed
- TAL SUPERFLEX can be painted over using a high quality exterior grade acrylic paint

TILING OVER SUPERFLEX

Allow the TAL SUPERFLEX system to dry (approximately 72 hours, depending on ambient conditions) before fixing tiles. ADHESIVE : Use TAL GOLD STAR 6 mixed with TAL BOND (replacing the water in the mix) to fix the tiles in a solid bed of adhesive.

GROUT : Allow the adhesive to dry, and then grout with TAL WALL & FLOOR GROUT mixed with TAL BOND (replacing the water in the mix).

Do not use showers for at least 5 days after completion of tiling and grouting to ensure that the installation is fully cured.

COVERAGE

Approximately 2ℓ/m² (for both coats) at a minimum of 2mm dry film thickness when reinforced with TAL SUPERFLEX MEMBRANE. A 15m roll of membrane is sufficient for a 25ℓ bucket of TAL SUPERFLEX.

PACKAGING

TAL FLOOR PRIMER is available in 5ℓ and 25ℓ bottles

TAL KEYCOAT is available in 1ℓ, 5ℓ and 20ℓ bottles

TAL SUPERFLEX is available in 5ℓ and 25ℓ buckets

TAL SUPERFLEX MEMBRANE is available in 1m x 3m and 1m x 15m rolls, and 200mm x 10m and 200mm x 56m rolls

STORAGE & SHELF LIFE

When stored in dry internal conditions between 5°C and 30°C and out of direct sunlight the product has a shelf life of 6 months from date of manufacture. Never store directly on a concrete floor.

Another successful installation guaranteed



TAL SUPERFLEX®

WARNING

DO NOT INGEST. USE ONLY AS DIRECTED. PROTECT SENSITIVE SKIN WITH RUBBER GLOVES.

TAL GUARANTEE

TAL products are manufactured and tested to TAL procedures, which are maintained in accordance with Quality System Standard ISO 9001 : 2000. TAL products are guaranteed to be free from manufacturing defects and fit for design purposes. TAL guarantees the performance of its products when used strictly in accordance with TAL's materials and methods specifications and good working practice.

TAL TECHNICAL ADVICE CENTRE

For a detailed Materials and Methods Specification contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail taltech@norcrossa.com. Branches : Johannesburg (011)316-3133; Cape (021) 386-1810; Natal (031) 700-1535

PRECAUTIONS

Contact TAL (Pty) Ltd for further health and safety information. Dispose of this product in accordance with local regulations.

IMPORTANT NOTICE

TAL believes the information on this sheet to be correct – but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of TAL shall be to replace any of this product proved to be defective in material. TAL shall not be liable for any injury, loss or damage, direct or inconsequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchantability or any other warranty, express or implied. TAL (Pty) Ltd reserves the right to change the information on this datasheet.

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