



## Norcros SA: Finishes - walls & floors

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### TAL DIY GUIDE



Solutions  
Through  
Technology

# TAL DIY GUIDE



Solutions  
Through  
Technology



# Waterproofing Application

## TAL SUREPROOF

A tough, flexible and seamless two-part liquid applied cementitious waterproofing system.



TAL SUREPROOF waterproofing system comprises of 2 components, one containing a cementitious powder and one containing a liquid binder. TAL SUREPROOF MEMBRANE must be applied in all internal corners and interfaces.



The background to be water-proofed must be clean, dry, firm and sound, free from dust, loose particles and surface contaminants, and must have a moisture content of less than 5% before the waterproofing can be applied. All areas to be waterproofed must be primed with TAL FLOOR PRIMER, which is applied by brush or roller.



To allow for movement a 10mm bead of flexible silicone must be applied into all internal corners and interfaces prior to the SUREPROOF application.



The two parts are mechanically mixed together by adding the powder to the liquid, and mixing until a creamy, lump-free consistency is obtained. Let the mix stand for 3 - 5 minutes before stirring again.

# Waterproofing Application

## TAL SUREPROOF



Apply a coat of TAL SUREPROOF by enamel paint roller or brush to the interfaces. Immediately bed a 200mm wide strip of TAL SUREPROOF MEMBRANE into the wet SUREPROOF, with the membrane extended 100mm on either side of the interface. The membrane must be pushed into the corners. Apply a heavy topcoat of TAL SUREPROOF over the membrane to saturate the membrane before the first coat dries.



For the main area application, two coats of TAL SUREPROOF must be applied to ensure a **minimum 1.2mm thickness is achieved**. Apply the first coat of TAL SUREPROOF to the dry, primed surface with an enamel paint roller or brush and allow to dry (approximately 1 – 2 hours). Apply the second coat of TAL SUREPROOF in a different direction to ensure complete coverage with no air entrapment or pinholes.



It is essential to ensure that the main SUREPROOF application overlaps the corner joints/interfaces, i.e. the interface application must be completely covered by the main area application.

**8 DRAINS** - Apply a coat of TAL SUREPROOF up the pipes and immediately position the strip of TAL SUREPROOF MEMBRANE into the wet SUREPROOF. Apply a heavy topcoat of TAL SUREPROOF over the membrane to 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.

**9 SHOWERS** - For shower floors the waterproofing must be carried through into the outlets and shower walls must be waterproofed to full shower rose height.

**10 TILING OVER WATERPROOFING** - Allow the membrane to dry completely (approximately 24 - 36 hours, depending on weather conditions) before installing tiles using TAL GOLD STAR 6 mixed with TAL BOND and grouting using TAL WALL & FLOOR GROUT mixed with TAL BOND. Do not use showers for at least 3 days after completion of tiling and grouting to ensure that the installation is fully cured.

# Waterproofing Application

## TAL SUPERFLEX

TAL SUPERFLEX is a ready to use acrylic based liquid membrane ideal for waterproofing showers and balconies. TAL SUPERFLEX emulsion must be used in conjunction with TAL SUPERFLEX MEMBRANE.



The background to be water-proofed must be clean, dry, firm and sound, free from dust, loose particles and surface contaminants, and must have a moisture content of less than 3% before the waterproofing can be applied.



All areas to be waterproofed must be primed with TAL FLOOR PRIMER, which is applied by brush or roller.



To allow for movement a 10mm bead of flexible silicone must be applied into all internal corners and interfaces prior to the SUPERFLEX application.



Apply a coat of TAL SUPERFLEX by brush or roller to the interfaces. Immediately bed a 200mm wide strip of TAL SUPERFLEX MEMBRANE into the wet SUPERFLEX, with the membrane extended 100mm on either side of the interface. The membrane must be pushed into the corners. Apply a heavy topcoat of TAL SUPERFLEX over the membrane to saturate the membrane before the first coat dries.

# Waterproofing Application

## TAL SUPERFLEX



For the main area application apply a coat of TAL SUPERFLEX over the primed surface. Immediately bed the TAL SUPERFLEX MEMBRANE into the wet SUPERFLEX, ensuring there are no wrinkles in the membrane and no air pockets trapped underneath. Apply a heavy topcoat of TAL SUPERFLEX over the membrane to saturate the membrane before the first coat dries.



It is essential that the main SUPERFLEX application overlaps the corner joints, i.e. the interface application must be completely covered by the main area application.

**7 DRAINS** - Apply a coat of TAL SUPERFLEX up the pipes and immediately position the strip of TAL SUPERFLEX MEMBRANE into the wet SUPERFLEX. Apply a heavy topcoat of TAL SUPERFLEX over the membrane to 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.

**8 SHOWERS** - For shower floors the waterproofing must be carried through into the outlets and shower walls must be waterproofed to full shower rose height.

**9 TILING OVER WATERPROOFING** - Allow the TAL SUPERFLEX to dry completely ( $\pm$  3 days) before installing tiles using TAL GOLDSTAR 6 mixed with TAL BOND and grouting using TAL WALL & FLOOR GROUT mixed with TAL BOND. Do not use showers for at least 5 days after completion of tiling and grouting to ensure that the installation is fully cured.

# Screeding Application

## TAL SUPERSCREED



TAL SUPERSCREED is a high strength, rapid setting patching and repair and screeding compound which can be applied from featheredge up to 12mm in a single operation.



All "lows" and voids in the floor must be identified and cleaned out, and must be filled with TAL RAPIDFIX prior to applying TAL SUPERSCREED, and all "highs" or trowel marks must be identified and ground down. All defective areas of concrete/screed must be removed and made good using TAL RAPIDFIX.



The area to be screeded must be in good condition, sound and stable, and free from dirt, grime, surface contaminants and old floor coverings and fixatives. The floor must be swept to remove all traces of dust and loose particles. (Vacuuming is preferred.)



Porous surfaces must be primed with TAL FLOOR PRIMER, and dense, impervious surfaces should be primed with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). TAL SUPERSCREED must be applied while this slurry coat is STILL TACKY.



Add 20kg TAL SUPERSCREED to 5 litres of clean, cool water while stirring and mix until a smooth, lump-free paste is obtained.

# Screeing Application

## TAL SUPERSCREED



For heavy traffic areas, i.e. commercial applications, and where building movement or thermal expansion and contraction is expected, ie under tile heating, TAL SCREEDBINDER must replace the water in the mix.



Stir occasionally whilst in use. Do not mix up more than can be used in 20 - 30 minutes.



Pour the mix onto the floor.



Spread the mix using a 600mm extended straight-edge steel trowel and work to a smooth, level surface. Trowel marks and high spots can be removed with coarse sandpaper or a corundum stone when the screed is dry.



Apply a further coat of TAL SUPERSCREED mixed with TAL SCREEDBINDER as before, if required. Repeat as necessary until the desired finish and level is achieved. Grind the floor down to remove any trowel marks, and allow the screed layer to dry completely before subjecting to foot traffic (or other trades) or installing floor coverings.

# Screeing Application

## TAL SCREEDMASTER

**NOTE :** TAL SCREEDMASTER is only suitable for underlayment applications. If a durable floor covering is not going to be installed over the TAL SCREEDMASTER application, then the cured SCREEDMASTER application must be protected with an epoxy coating. All surface beds must have a damp proof membrane.



TAL SCREEDMASTER is a high strength, rapid setting screeding compound with excellent flow properties that produces smooth and level hard wearing floor surfaces suitable for the installation of all floor coverings. TAL SCREEDMASTER can be applied from 3mm up to 10mm in a single operation.



All "lows" and voids in the floor must be identified and cleaned out, and must be filled with TAL RAPIDFIX prior to applying TAL SCREEDMASTER, and all "highs" or trowel marks must be identified and ground down. All defective areas of concrete/screed must be removed and made good using TAL RAPIDFIX.



The area to be screeded must be in good condition, sound and stable, and free from dirt, grime, surface contaminants and old floor coverings and fixatives. The floor must be swept to remove all traces of dust and loose particles. (Vacuuming is preferred).



Mark the area using a chalk line and then apply a foam strip to demarcate the installation area. Coverage is 1.8kg/m<sup>2</sup> per millimetre thickness.

# Screeing Application

## TAL SCREEDMASTER



Porous floors must be primed with TAL FLOOR PRIMER and smooth, impervious floors must be primed with a slurry consisting of 1 part TAL KEYCOAT mixed with 2 parts cement (by volume). Allow the TAL KEYCOAT slurry to dry completely before applying a coat of TAL FLOOR PRIMER. TAL SCREEDMASTER must be applied when the TAL FLOOR PRIMER coat is TOUCH DRY (not wet). (Very porous surfaces may require more than one application of TAL FLOOR PRIMER, and each coat should be applied in a cross direction to the previous application once the previous coat is touch dry).



Add 22kg TAL SCREEDMASTER to clean, cool water (refer to packaging or Technical Data Sheet for correct mix ratio) while stirring slowly with an electric drill of at least 700 watts with a mixing paddle attachment. The mixing process and application should be continuous.



Mix thoroughly until a smooth, lump-free paste is obtained ( $\pm$  5 minutes). Allow the mix to stand for 3 minutes, and then stir again for 1 minute. Stir occasionally whilst in use. DO NOT OVER WATER THE MIX. Do not mix up more than can be used in 20 – 30 minutes.



Pour the mix onto the floor and spread with a TAL NOTCHED FLOOR RAKE or a TAL STRAIGHT EDGE RAKE to the required thickness. (The size of the notch of the TAL FLOOR RAKE or the height adjustment of the TAL STRAIGHT EDGE RAKE will determine the thickness). Immediately smooth the compound using a TAL FLAT SMOOTHING RAKE. It is recommended to wear TAL SPIKED SHOES during the installation.

# Screeing Application

## TAL SCREEDMASTER



Roll the area using a TAL SPIKED ROLLER to facilitate the release of any trapped air to produce a smooth surface, and to allow it to dry.



Allow the screed installation to dry for 24 hours before subjecting to foot traffic (or other trades) or installing floor coverings.

## Another Successful Installation Guaranteed



# Cutting Made Easy

## CUTTING A WALL TILE



### Straight cut

Use a TAL PENCIL CUTTER to score the glazed surface of the tile on your measured mark, using another tile as a straight edge. Use a TAL TILE GRATE to neaten the cut area.



Use a TAL TILE BREAKER to apply pressure on the scored tile to achieve a clean break. Use a TAL TILE GRATE to neaten the cut area.



### Curved cut

Use a TAL PENCIL CUTTER to score the glazed surface of the tile along your curved measured mark. Break the tile using the TAL TILE BREAKER. Use a TAL TILE GRATE to neaten the cut area.



### Small semicircular cuts

Use a TAL NIPPER to nip away at the edge of the tile to create the required cut. This method can be used for any shape cut. Use a TAL TILE GRATE to neaten the cut area.



### Cutting a hole in the centre

Drill a hole through the tile, insert the TAL ROD SAW BLADE through the circle. Attach to hacksaw and cut the required hole. Use a TAL TILE GRATE to neaten the cut area.



### Cutting floor tiles

Mark where the tile must be cut. Place the tile on the TAL FLOOR TILE CUTTER. Score and then break. Use a TAL TILE GRATE to neaten the cut area.

# Wall Tiling Made Easy



Find the lowest point on the floor line and mark the wall one tile high from the floor at this point.



Nail a batten with a straight edge to the wall so that the top edge of the batten coincides with the mark. Ensure that the batten is horizontal, using a spirit level.



Set out a row of tiles across the wall over the batten and adjust so that equal cuts at least half a tile wide will be made in each corner. Mark the batten where the first tile will be placed. Remember to leave room for TAL TILE SPACERS.



Nail a vertical batten to the wall so that the inside edge of the batten coincides with the mark for the first tile. Check with a spirit level to ensure that the batten is perfectly vertical.



Use the appropriate TAL TILE ADHESIVE and commencing in this corner, spread the adhesive onto the wall with the straight edge of a TAL WALL TROWEL or TAL WALL APPLICATOR.



In a horizontal direction, notch the adhesive with the TAL WALL TROWEL or TAL WALL APPLICATOR. Do not spread more adhesive than can be tiled onto in approximately 15 minutes.

# Wall Tiling Made Easy



Using dry tiles, begin in the corner of the battens placing tiles horizontally. TAL TILE SPACERS ensure even joints between tiles. Remove before grouting. Leave cut tiles until last.



Bed the tiles in firmly using a TAL RUBBER MALLET. Remove the occasional tile to check that good contact with the adhesive is being made.



Check tiling regularly with a spirit level to ensure that horizontal fixing is being maintained.



After adhesive has set, remove horizontal and vertical battens.



Measure and cut each tile required to fill in corners and bottom row, leaving room for TAL TILE SPACERS. Butter the back of the tile with adhesive, place cut edge into the corner and press firmly into place.



Allow adhesive to dry before grouting. Use TAL WALL AND FLOOR GROUT, available in a variety of colours. Work grout well into joints with a TAL RUBBER SQUEEGEE.

# Wall Tiling Made Easy



Remove the excess grout with a sponge. Allow the grout to dry and then polish with a dry cloth.

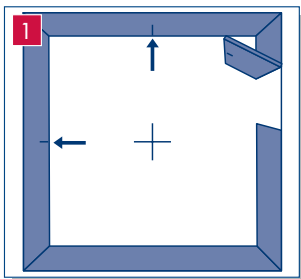


Provide movement joints in all corners and in large tiled areas approximately 5m apart. Rake out joints and leave ungrouted. Fill with flexible joint sealant (e.g. silicone).

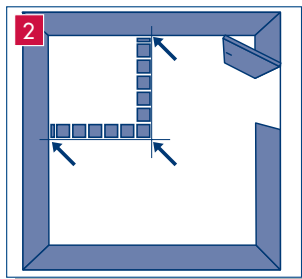
## Another Successful Installation Guaranteed



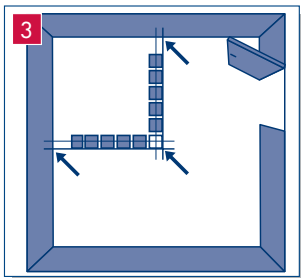
# Floor Tiling Made Easy



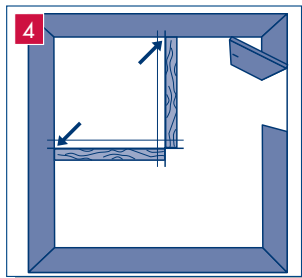
1 Determine the centre point of the room and mark it. Transfer these marks to the corresponding skirting boards.



2 Starting at the centre mark, place a row of loose tiles along these lines. Cut tiles should be at least half a tile wide. If this is the case, position straight edges as per 4. Remember to leave room for TAL TILE SPACERS.



3 If cut tiles are too small, move the centre tile so that the middle of the tile coincides with the centre mark on the floor. Repositioning the tiles will now ensure correct cuts.



4 Mark the new starting point and transfer these marks to the corresponding skirting boards. Position straight edges on these marks in both directions.



5 Start at the centre of the room. Use the appropriate TAL ADHESIVE and with the straight edge of a TAL FLOOR TROWEL, spread the adhesive onto the floor.



6 In a horizontal direction, notch the adhesive with the TAL FLOOR TROWEL or TAL FLOOR APPLICATOR. Do not spread more adhesive than can be tiled onto in approximately 15 minutes.

# Floor Tiling Made Easy



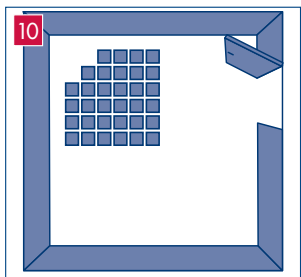
Use dry tiles. Butter the backs of heavily ribbed tiles. Bed the tiles firmly into the adhesive using a TAL RUBBER MALLET.



Use TAL TILE SPACERS to create uniform spacing. Remove before grouting. Never butt ceramic tiles hard up against each other.



Lift the occasional tile to check for full coverage of adhesive on the back of the tile. No voids should occur underneath the tiles.



Tile out from the centre mark to the edges, keeping lines straight and tile spacing even. Leave cut tiles until last.



Measure and cut each tile to fill edges, leaving room for TAL TILE SPACERS. Butter back of tile with adhesive, place cut edge towards the wall and bed firmly into place using a TAL RUBBER MALLET.



Allow adhesive to dry before grouting. Use TAL WALL AND FLOOR GROUT or TAL QUARRYGROUT available in a variety of colours. Work grout well into joints with a TAL RUBBER SQUEEGEE.

# Floor Tiling Made Easy



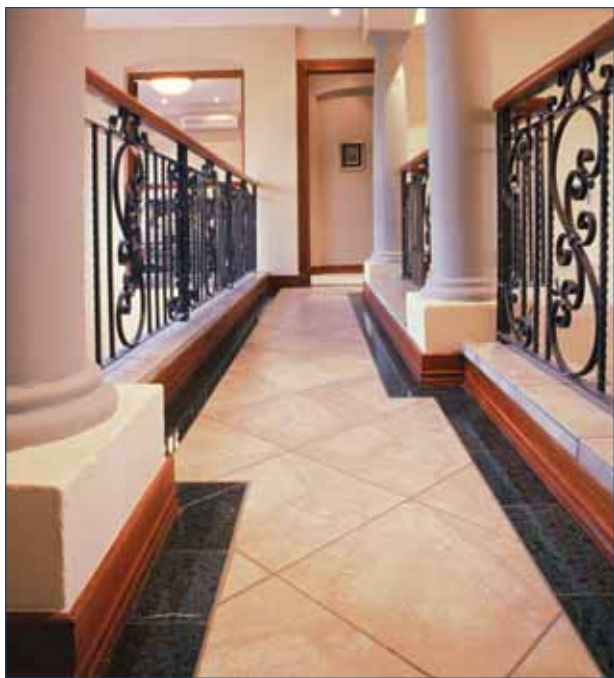
Remove the excess grout with a sponge. Allow the grout to dry and then polish with a dry cloth.



Provide movement joints in all corners and in large tiled areas approximately 5m apart internally and 3m apart externally. Rake out joints and leave ungrouted. Fill with flexible joint sealant (e.g. silicone).

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## Another Successful Installation Guaranteed



## Tiling Over Basins

Nail a horizontal batten to get a level starting line corresponding with the first row of full tiles above the basin. Fill in with cut tiles after removal of the batten. Use flexible sealant between tiles and any sanitaryware.



## Soap Dishes

Fix the soap dish to the wall using TAL TILE ADHESIVE. Hold it in place with masking tape until the adhesive has set.



## Finishes

### TAL Tiletrim

A decorative strip available in a range of colours that neatly conceals the unsightly edges of tiles around windows and other exposed tile corners. Eliminates the need for mitred tiles.



# A Full Range

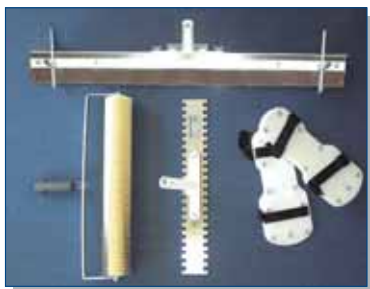
## HIGH QUALITY TAL TOOLS

### TILING TOOLS



- Tile Cutters & Spare Wheels
- Floor, Wall & Bucket Trowels
- Plastic Wall & Floor Applicators
- Wall and Floor Spacers
- Chipping Hammer
- Abrasive Grate
- Rod Saw Blade
- Rubber Mallet
- Grout Remover
- Grout Applicators
- Mixers
- Knee Pads

### SCREEDING TOOLS



- Spiked Shoes
- Spiked Roller
- Notched Floor Rake
- Flat Smoothing Rake

# ISO 9001: 2000



Accredited to ISO 9001: 2000 , TAL products are designed, manufactured and tested to the strictest standards ensuring our customers can be confident that our products will perform to specification.

## 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.

## The TAL Technical Advice Centre

All our customers have immediate access to the expertise of our highly qualified technical advisory staff, who are able to offer advice on any aspect of tiling. Our qualified staff can also issue, free of charge, a detailed materials and methods specification specific to your installation. Our advisory service can be contacted on 08600 000 TAL(825) or email: [taltech@norcrossa.com](mailto:taltech@norcrossa.com)

Johannesburg: (011) 316-3133

Cape Town: (021) 386-1810

Durban: (031) 700-1535



The Professional Choice