

METHOD STATEMENT

FLOORKEY

Revision Date
DECEMBER 2018



General Purpose Method Statement

Applied as a Primer

1. Labour

Application of Underlayment Compounds and Waterproofing Compounds is a skilled operation and should only be carried out by experienced artisans with the correct training. Application by unskilled labour is not recommended.

2. Tools & Equipment Required

Broom & Heavy Duty Vacuum Cleaner
Mechanical Mixer, ie minimum 1.1KW drill with suitable paddle mixer
Large Clean Container for mixing
Builders Block Brush
TAL Rapidfix or TAL Keymix

3. Surface Preparation

New floor and wall surfaces must be allowed to cure for the minimum periods detailed below to ensure that the following floor or wall covering installation is not compromised by drying shrinkage movement in the substrate :

- New concrete – 6 weeks
- New screed – 4 weeks
- New brickwork – 4 weeks
- New render – 2 weeks

The Moisture Content of the substrate must be tested and deemed suitable for the application of the Underlayment Compound or Waterproofing Compound.

Any screeding or rendering must be firmly attached to the underlying concrete or brickwork, and the substrate must be structurally sound (no crumbling, cracking, etc) and of a quality and consistency suitable to receive further coverings or coatings. All damaged, defective, deteriorated or hollow sounding areas must be removed and made good before proceeding.

The substrate must be clean and free from all traces of surface laitance and contamination such as dust, dirt, waxes, oils, old adhesives, paint, grease, weak cement screeds and renders, shutter release and curing agents, sealing compounds, etc.

Bituminous compounds must be removed completely. Organic or fungal growth must be removed and the spores killed using an effective fungicide.

4. Mixing

The designed mix ratio is 1 part of **TAL Floorkey** to 2 parts of **TAL Rapidfix** powder (**or** 2 parts TAL Keymix powder) **by volume** (approximately 10 litres of **TAL Floorkey** to 20kg **TAL Rapidfix** powder).

Measure the desired quantity of TAL Floorkey into a clean bucket. Using a suitable mechanical mixer, add the TAL Rapidfix powder to the TAL Floorkey whilst mixing. Mix well until a smooth, lump-free viscous liquid is obtained. Let the mix stand for 3 - 5 minutes before stirring again (shear thinning). Use within 60 minutes.

NB :

- Never add more liquid to a mix which has been left standing for too long, as this will compromise the integrity of the product.

Contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail taltech@tal.co.za
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- Warm weather conditions (generally, temperatures above 30°C) may shorten the working time of the mixture.

5. Application

The surfaces must be thoroughly swept to remove all traces of dust and loose particles, taking care to remove the dust rather than redistribute it. (Vacuuming is preferred.)

Apply the **TAL Floorkey** slurry onto the substrate using a builder's block brush, ensuring that the entire surface is covered with the slurry priming coat.

Allow the **TAL Floorkey** slurry coat to dry sufficiently (ie 'tack-free' approximately 2 – 3 hours depending on site and ambient conditions). The slurry priming coat must be firmly bonded to the substrate.

Note : When installing TAL Screedmaster, TAL Screedmaster Industrial or TAL Superscreed SL the dry TAL Floorkey slurry priming coat must first be overcoated with a coat of TAL Floor Primer.

6. Approximate Coverage

4m² / ℓ (per coat), depending on substrate porosity.

Actual coverages will be determined by site conditions, workmanship, etc.

7. Packaging

5L and 25L Containers, and 200L returnable drums.

8. Shelf Life & Storage

Ensure lid is tightly sealed and packaging is secure and upright. Secure product when transporting to prevent accidental spillage. When stored in original sealed packaging in dry internal conditions between 10°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.

9. Limitations

Do not dilute with water.

Never add more liquid to a mix which has been left standing for too long (retempering) as this will compromise the integrity of the mix.

Do not mix by hand.

Do not apply in rain or wet conditions or at temperatures below 5°C.

Do not expose to running water or service conditions until the product is cured fully.

10. Health and Safety

This product is for use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. E-mail taltech@tal.co.za or call 0860 000 825 for a copy of the MSDS.

Do not ingest.

Operatives should use barrier creams when handling cementitious materials. Care should be taken not to allow cementitious products to come into contact with skin.

Operatives should use the following Personal Protection Equipment :

- Eye protection (goggles)
- Gloves

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- Dust Mask
- Rubber soled safety shoes
- Coveralls
- Safety helmet

Work in well-ventilated areas.

When using electrical equipment such as mixers ensure that they are properly fused and earthed with the correct plug and sockets fitted.

Do not use electrical equipment if it will come into contact with water.

Dispose of this product in accordance with local regulations.

11. Authorized Technical Specialist

Please note that only TAL Authorized Technical Specialists are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product.

12. Product Guarantee

TAL products are manufactured and tested in accordance with TAL procedures, which are maintained in line with Quality Control System Standard ISO 9001 : 2015, OSHAS 18001:2007 and Environmental Management System ISO 14001:2015.

TAL products are guaranteed to be free from manufacturing defects and fit for design purposes.

TAL warrants the technical properties of their materials when used strictly in accordance with their materials and methods specifications for the particular project, and where the prescribed standard of workmanship is followed. However, we have no influence over specific site conditions and therefore, if in doubt, the user must always carry out sufficient tests to satisfy himself/herself that the product is suitable for the intended purpose. In special cases, obtain professional advice. TAL shall not be liable for the standard of workmanship on site, or for any defects or damage due to external causes or factors beyond the control of TAL including, without limitation, unsound structures or foundations, building movement (cracking, creep, deflection, vibration, etc), design defects, earth tremor or other seismic disturbances, land slip, fire, flood or other immersion, or any products which have been adulterated, contaminated or misused in any way.

The aforementioned list is not exhaustive.

NOTE : we require timeous notification, *in writing*, of an alleged defect and the opportunity to assess and investigate the problem to our satisfaction *prior* to any remedial work whatsoever being carried out.

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