

METHOD STATEMENT

BITUMEN PRIMER

Revision Date
JANUARY 2019



General Purpose Method Statement

1. Labour

Application of **TAL Bitumen Primer** is a skilled operation and should only be carried out by experienced operatives with the correct training. Application by unskilled labour is not recommended.

2. Surface Preparation

The vinyl floor coverings must be removed, with due care taken to ensure that all vinyl remnants/backings are removed. The floor must be inspected, and all loose / unbonded bitumen fixative residues must be removed.

The substrate must be structurally sound. Loose or unsound concrete or screed should be removed and made good.

Surfaces must be entirely free of oil, grease, paint, dust, laitance or other surface deposits which could impair adhesion.

Note :

TAL Bitumen Primer is suitable for use over thin bitumen fixative residues / veneers only. **TAL Bitumen Primer** may be applied over bitumen fixative residues of up to maximum 2mm thickness in isolated areas only, ie maximum 20% of the total floor area.

When heavy deposits are encountered, such as those used with Parquet or Wood Block Flooring, the bulk of the bituminous build should first be removed by suitable means, such as mechanical abrasion (not solvent).

Do not apply over bituminous waterproofing systems.

3. Mixing

Using a suitable mechanical mixer, add the Powder to the Liquid component in a clean bucket 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.

For optimum results it is recommended to mix the entire kit in one mix, ie part mixing of the components is not recommended.

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.
- Never add water to the mix as this will dilute the polymer and weaken the product.
- Warm weather conditions (generally, temperatures above 30°C) may shorten the working time of the mixture.

4. Application

The surface 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.)

TAL Bitumen Primer is formulated with some flow properties for ease of application. Pour the mix onto the suitably prepared floor and spread using a suitable Serrated Rake or Adjustable Floor Spreader, to achieve a **minimum film thickness of 2.5mm**, and ensuring complete coverage of the bitumen-contaminated substrate.

Note : Application by Brush or Roller is not recommended.

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5. Drying Time

The TAL Bitumen Primer installation should be protected from building operations and other trades until fully cured. It should also be completely protected until fully covered with a suitable floor covering.

TAL Bitumen Primer will dry within 24 – 36 hours, depending on application thickness and site and ambient conditions porosity. **TAL Bitumen Primer** dries by reaction between powder and liquid, moisture evaporation and absorption into the substrate, so allow longer for surfaces with low porosity.

Before floor coverings are installed it is the **Flooring Contractor's responsibility** to inspect the **TAL Bitumen Primer** installation and confirm that it is dry and well bonded to the subsurface.

The new **TAL Bitumen Primer** surface must be thoroughly swept to remove all traces of dust and loose particles before installing any floor coverings. (Vacuuming is preferred.) Contamination on the substrate may have an adverse effect on both the finish and long term performance of the floor covering.

6. Floor Coverings

TAL Superscreed or **TAL Screedmaster** can be installed applied over the cured **TAL Bitumen Primer** to achieve a smooth finish suitable for the installation of resilient floor coverings.

TAL tile adhesives may be applied directly onto the cured **TAL Bitumen Primer**.

7. Cleaning

Spillages of dry, unmixed powder should be collected in plastic bags. Spillages of wet, mixed product should be cleaned with a damp sponge before it dries. Dried product can be removed using TAL Cleaning Solvent or TAL Epoxy Cleaning Fluid/Gel. Clean tools with water before the product dries.

8. Coverage

Approximately 1.70kg / m² / 1mm thickness, ie 4.25kg / m² at 2.5mm application thickness. Actual coverages will be determined by site conditions, workmanship, etc.

9. Packaging

TAL Bitumen Primer is available in 20kg kits (15kg Powder + 5ℓ Liquid).

10. Storage & Shelf Life

Ensure liquid containers are tightly sealed and packaging is secure and upright. Secure product when transporting to prevent accidental spillage.

Never store directly on a concrete floor.

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.

11. Limitations

TAL Bitumen Primer is to be used as supplied by the manufacturer. Do not attempt to thin the liquid or add sand to the powder as this will adversely affect the product performance and integrity.

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

Do not mix by hand.

Do not part mix; use only complete full packs.

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

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Lower temperatures produce a slower set; higher temperatures produce a faster set.
Do not expose to running water or service conditions until the product is cured fully.

10. Health and Safety

This product is for industrial 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.

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

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. Debonding due to cohesive failure within the substrate is not classified as product failure. 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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