

# TAL SCREEDMASTER®



## DESCRIPTION

**TAL SCREEDMASTER SELF LEVELLING SCREED** is a high strength, rapid set, shrinkage compensated compound designed with high flow properties when added to water to produce a level, smooth, flexible and hard wearing floor surface prior to the fixing of floor coverings with minimum installation time. Floor coverings can be fixed after 24 hours. TAL SCREEDMASTER does not contain casein (or other protein bearing additives), making it ideal for hygiene applications such as hospitals and food preparation/storage areas.

**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 a protective coating must be applied over the cured SCREEDMASTER.**

## AREAS OF APPLICATION

**TAL SCREEDMASTER** is suitable for levelling and smoothing:

- uneven concrete or sand/cement floor surfaces
- terrazzo, concrete or ceramic tiles
- old, rough concrete surfaces
- rigid metal
- spalled concrete surfaces
- revamping of floor coverings

**TAL SCREEDMASTER** is suitable to be used as an underlayment prior to fixing the following floor coverings with adhesive:

- vinyl tiles and vinyl sheeting
- marmoleum and rubber
- ceramic tiles
- stick down and stretch carpeting
- parquet and wood flooring
- epoxy floor coatings
- indoor sports floor coverings

Advantages of **TAL SCREEDMASTER** are:

- fast track installation, reducing labour costs and installation time
- no sanding or grinding required, reducing dust
- shrinkage compensated, ensures installations from 3mm to thickness of 16mm with no cracking; and can be reduced to a 1mm feather edge if necessary
- trafficable after only 3 hours
- high strength, ensuring hardwearing durable surface suitable for use in high traffic areas
- can be installed either manually or pumped for large contracts or upper level floors
- fix floor coverings after only 24 hours

## TECHNICAL DATA

Pot Life	20 – 30 minutes
Mixing Ratio	22kg / 5ℓ
Trafficable (Light) After	3 hours
Compressive Strength (28 days)	25 – 30 MPa
Flexural Strength (28 days)	5 – 9 MPa
Floor Covering Installation	After 24 hours
Application Temperature Range	10°C - 30°C
Pack Size	22kg



Ensure the substrate is firm, sound, clean and dry. Prime as per instructions



Add 22kg Screedmaster to 5ℓ clean, cool water while mixing



Stir slowly with an electric drill, until a lump free mix is achieved.



Leave for 3 min. Stir again for 1 min.



Pour and spread with a Tal notched floor rake.



Roll the area to release occluded air. Allow to dry.

**Another successful installation guaranteed**

A **MORCROS** COMPANY



Solutions Through Technology

# TAL SCREEDMASTER®

## SURFACE PREPARATION

All surface beds must have a damp proof membrane. The surface must be structurally sound, clean and dry and free from all surface laitance and contamination such as dust, dirt, waxes, oils, bitumen, old adhesives, paint, grease, weak cement screeds, curing and sealing compounds, etc. New concrete or screeds must be at least 28 days old. All holes or voids in the floor must be identified: small holes can be filled with TAL SCREEDMASTER; any holes exceeding 16mm in depth must be filled with TAL RAPIDFIX, and all "highs" or trowel marks must be identified and ground down. (TAL RAPIDFIX can be applied from 1mm up to 50mm.)

## FLOOR TOLERANCES

A level survey of the existing surface is recommended prior to the application of TAL SCREEDMASTER. In order to achieve the required tolerance, deviations in the existing surface should be levelled with TAL SCREEDMASTER. Deviations (eg holes) exceeding 16mm in depth should be filled with TAL RAPIDFIX prior to the SCREEDMASTER application.

## PRIMING

**Woodfloated (rough, porous) surfaces:** prime with a double coat (two coats) of neat TAL FLOOR PRIMER. The second coat must be applied in a cross-direction to the first coat, once the first coat is touch dry. Very porous floors may require more than a double coat 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. TAL SCREEDMASTER must be applied when the FLOOR PRIMER coat is TOUCH DRY (3 – 4 hours under normal ambient conditions).

**Powerfloated or steel-trowelled (smooth, dense, impervious) surfaces:** prime with a slurry consisting of 1 part TAL FLOORKEY mixed with 2 parts ordinary cement (by volume), which is brushed onto the floor. TAL SCREEDMASTER must be applied when the slurry coat is dry (3 – 4 hours at normal ambient conditions).

## MIXING

TAL SCREEDMASTER is suitable to be applied either manually or by use of a pump.

### Manual Method

Add 22kg of TAL SCREEDMASTER to 5 litres of clean, cool water 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 lump free mix is achieved. Allow the mix to stand for about 3 minutes. Stir the mix again for 1 minute. Do not add more than the stipulated amount of water.

### Pump Method

Please contact TAL (Pty) Ltd for a detailed materials and methods specification for this application.

## APPLICATION

Pour the mix onto the floor and spread with a TAL NOTCHED FLOOR RAKE or TAL FLOOR SPREADER to the required thickness. (The size of the notch of the TAL FLOOR RAKE or the height adjustment of the TAL FLOOR SPREADER will determine the thickness. It is recommended to wear TAL SPIKED SHOES during the installation. Roll the area using a TAL SPIKED ROLLER and allow to dry. TAL SCREEDMASTER can be applied from 3mm up to 16mm in a single operation. Normal application thickness is 6 – 8mm. The surface can be subjected to light foot traffic after 3 hours (depending on the application thickness and ambient conditions) and suitable to receive floor coverings after 24 hours, dependant on site conditions. Clean tools immediately after use with clean, cool water.

All existing structural joints and cracks in the substrate which may be subjected to movement after the SCREEDMASTER installation must be identified and marked and must be maintained as joints in the new surface.

## DRYING TIMES

The surface can be subjected to light foot traffic after 3 hours (depending on application thickness and ambient conditions). Floor coverings can be installed after 24 hours.

## SURFACE FINISH

Variation in colour can occur due to the laying technique used (ie trowel marks). As an underlayment, TAL SCREEDMASTER is compatible with most commonly used adhesives and soft floor finishes as well as with hardwood flooring, ceramic tiles and athletic flooring.

## COVERAGE

A 22kg bag will cover approximately 4m<sup>2</sup> at a 3mm build thickness (ie approximately 1.8kg / m<sup>2</sup> per mm thickness).

## PACKAGING

TAL SCREEDMASTER is available in 22kg bags.

Another successful installation guaranteed



# TAL SCREEDMASTER®



## 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.

## WARNING

**DO NOT INGEST. USE ONLY AS DIRECTED. WEAR PROTECTIVE GLOVES AND GOGGLES. USE A SUITABLE DUST MASK. WORK IN A WELL VENTILATED AREA.**

## 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.

Solutions Through Technology

Another successful installation guaranteed

