



Technical Data Sheet

TAL SUPERSCREED

DESCRIPTION

TAL SUPERSCREED is a high strength, rapid setting, shrinkage compensated grey cementitious compound formulated for rectifying and smoothing imperfections in floor surfaces. It is designed to produce a smooth, hard wearing surface suitable for fixing all floor coverings including semi and fully flexible vinyl tiles and sheeting, carpeting, ceramic tiles, rubber and wood flooring.

When mixed with TAL SCREEDBINDER (as a total water replacement) it is also suitable for use as a protective barrier over under tile heating elements.

NOTE :

- **AMBIENT TEMPERATURES BETWEEN 10°C - 30°C MUST BE MAINTAINED THROUGHOUT INSTALLATION AND CURING.**
- **THE FLOOR SLAB MUST HAVE A MINIMUM TEMPERATURE OF 10°C DURING THE SUPERSCREED APPLICATION.**
- **THE TEMPERATURE OF THE WATER MUST BE BETWEEN 20 - 25°C WHEN MIXED WITH SUPERSCREED.**
- **ALL SURFACE BEDS MUST HAVE A DAMP PROOF MEMBRANE, AND ALL NEW CONCRETE WORK AND SCREEDS MUST HAVE A MOISTURE CONTENT OF 5% OR LESS BEFORE THE SCREEDING APPLICATION CAN BE COMMENCED.**

TECHNICAL DATA

Type	Modified cement based screeding compound
Colour	Grey
Setting Type	Rapid setting
Pot life	20 – 30 minutes
Working time after mixing	1 Hour 15 Minutes
Initial Set	1 Hours 30 Minutes
Trafficable (light) after	3 Hours
Floor covering installation	After 24 hours, depending on application thickness and ambient conditions
Compressive strength	≥ 25 MPa
Flexural strength	≥ 4 Mpa
Mixing water temperature	20°C - 25°C
Application temperature range (ambient)	+10°C - +30°C
Slab temperature	+10°C - +30°C
Temperature Resistance	+5°C - +60°C
Mixing ratio	20kg / 5ℓ
Min application thickness	Featheredge
Max application thickness	12mm
Density	1.80
Pack size	20kg

The success of the installation is dependant on the correct background preparation and correct mixing and application procedure. Very low or very high ambient conditions can also have an adverse effect on the application.

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 or workmanship. Tal shall not be liable for any injury, loss or damage, direct or consequential, 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.

SURFACE PREPARATION

ALL SURFACE BEDS MUST HAVE A DAMP PROOF MEMBRANE. Allow all new concrete work and screeds to cure for at least 28 days before proceeding. **All concrete work and screeds must have a moisture content of 5% or less before the screeding application can be commenced.** Ensure that the surfaces are clean and free of all traces of curing agents, laitance and contamination such as dust, dirt, waxes, oils, bitumen, old floor coverings and coatings, paint, grease, curing and sealing compounds, weak cement, etc, preferably by scarifying.

Any screeding must be firmly attached to the underlying concrete, and the substrate must be integrally sound (no crumbling, cracking, etc) and of a quality and consistency suitable to be screeded over. All defective areas must be removed and the floor made good (using TAL RAPIDFIX).

All holes or voids in the floor must be identified and filled with TAL RAPIDFIX, and all "highs" or trowel marks must be identified and ground down.

FLOOR LEVEL SURVEY / FLOOR TOLERANCES

The success of an installation is highly dependant on the background conditions and the quality of the background preparations before applying TAL SUPERSCREED.

Since these installations are normally 3 – 5mm in thickness, it is important to ensure all highs and lows are identified and addressed before applying TAL SUPERSCREED.

The use of a 3m straight edge is recommended. In identifying the highs and lows the straight edge should be placed down and rotated through 360° around the centre point. This ensures that valleys and ridges are identified together with occasional highs and lows.

PRIMING

The floor must be swept to remove all traces of dust and loose particles. (Vacuuming is preferred.) **The substrate must have a moisture content of 5% or less before proceeding.**

- **Woodfloated (rough, porous) Surfaces** - Prime the surface with a liberal coat of TAL FLOOR PRIMER. **NOTE** : Very porous floors may require more applications 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.
- **Powerfloated / Steelfloated (smooth, dense) Surfaces** - Prime the surface with a slurry consisting of 1 part TAL FLOORKEY mixed with 2 parts ordinary cement (by volume), which is applied by block brush.

TAL SUPERSCREED must be applied when the priming coat is TOUCH DRY (approximately 1 – 2 hours, depending on ambient conditions).

MIXING

Add 20kg TAL SUPERSCREED to 5 litres of clean water while stirring slowly with an electric drill of 1.1kg with a mixing paddle attachment, and mix until a smooth, lump-free paste is obtained. **THE TEMPERATURE OF THE WATER MUST BE BETWEEN 20 - 25°C WHEN MIXED WITH SUPERSCREED.** Stir occasionally whilst in use. Do not mix up more than can be used in 20 – 30 minutes. For best results use a full bag in one mix.

TAL SCREEDBINDER should replace the water in the mix when TAL SUPERSCREED is applied in high traffic areas, all exterior or exposed areas, wet areas, where building movement is expected, and where thermal expansion and contraction is expected (ie under tile heating).

APPLICATION

Pour the mix onto the floor and spread using a 600mm extended straight edge steel trowel and work until a smooth, level surface is achieved. TAL SUPERSCREED can be applied from featheredge up to 12mm in a single operation. Trowel marks and high spots can be removed with coarse sandpaper or a corundum stone when the screed is dry.

Allow the screed layer to dry for 3 – 4 hours at 1 – 2mm thickness. Grind the floor down where necessary to remove all trowel marks before applying the next layer.

Apply a further coat of TAL SUPERSCREED mixed with TAL SCREEDBINDER as before, if required. **The floor must be primed with a coat of TAL FLOOR PRIMER before each subsequent application of TAL SUPERSCREED. The TAL SUPERSCREED must be applied when the TAL FLOOR PRIMER coat is TOUCH DRY.** Repeat as necessary until the desired finish and level is achieved. Grind the floor down to remove any trowel marks.

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

All designed structural or cold joints in the background substrate must be identified, and saw-cuts must be made in the SUPERSCREED layer to coincide with these joints.

DRYING TIMES

Drying times and trafficking vary from 3 hours upwards dependant on the thickness of the application. Allow the layer to dry fully before proceeding with laying floor covering or subjecting to traffic. When screeds above 3mm thickness are laid they must be allowed to dry overnight before trafficking or installing floor coverings.

A moisture test must be conducted by the flooring contractor prior to installing vinyl floor coverings or other coatings, as any moisture trapped below the vinyl flooring or coating may result in the vinyl flooring or coating 'bubbling'.

Before floor coverings are installed a Floor Level Survey should be carried out on the floor using a 3m straight edge. Any 'highs' must be identified and removed by rubbing using a corundum stone. Any 'lows' must be filled using TAL SUPERSCREED.

COVERAGE

Coverage is approximately 1.8kg / m² / mm thickness.

PACKAGING

TAL SUPERSCREED is available in 20kg bags.

STORAGE & SHELF LIFE

When stored 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.

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 : 2008. 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) 206-9700; Cape (021) 386-1810; Natal (031) 579-2263

PRECAUTIONS

Contact TAL 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 reserves the right to change the information on this datasheet.

09 / 10 / SUPERSCREED