

# DATA SHEET

## SUPERSCREED SL

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NOVEMBER 2017



### Rapid-setting Self-Levelling & Smoothing Underlayment Compound

#### Product Description

**TAL Superscreed SL** is a grey single-component high-performance self-levelling and smoothing Underlayment Compound manufactured from rapid-setting shrinkage-compensated cement and selected aggregates, designed with high flow properties when added to water to produce a smooth and durable floor surface prior to the fixing of floor coverings with minimum installation time.

**TAL Superscreed SL** is ideal for residential and commercial installations.

**TAL Superscreed SL** was developed as a self-levelling product; however the success of the installation is dependent on the correct background preparation and mixing procedures.

When mixed with **TAL Screedbinder** (as a total water replacement) it becomes excellent for use as a protective barrier over under tile heating elements. The addition of **TAL Screedbinder** could however affect the flow characteristics and self-levelling properties of **TAL Superscreed SL**. If **TAL Screedbinder** is to be incorporated in the mix, the mix ratio should be increased to 5.5L.

**It is imperative that the water : powder ratio is strictly adhered to.**

**Note : This product is designed for the above mentioned application only. TAL will not be liable for misuse or adulteration of the product.**

#### Laboratory Test Data

Type	Modified Cementitious Underlayment
Colour	Grey
Setting Type	Rapid setting
Pot life*	1 Hour 15 Minutes
Open Time* (Working time after mixing)	20 – 30 Minutes
Initial Set*	Minimum 2 Hours
Trafficable ( <i>light</i> ) After*	3 Hours
Floor Covering Installation*	After 24 Hours, depending on application thickness and ambient conditions
Compressive Strength (28 Days)	≥ 25MPa
Flexural Strength (28 Days)	≥ 4 MPa
Mixing Water Temperature	15°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	1.8
Pack Size	20kg

\*At 25°C and 50% relative humidity.

The above data was obtained under Laboratory conditions using freshly manufactured material. Actual results in the field will vary as a result of factors such as Ambient Temperatures, Site Conditions, etc.

#### Classification According to EN13813

**TAL Superscreed SL** is classified as a polymer-modified CT-C25-F4 screed (cementitious screed (CT) with a compressive strength (C) of minimum 25 N/mm<sup>2</sup> (MPa) and a flexural strength (F) of minimum 4 N/mm<sup>2</sup> (MPa)).

When mixed with **TAL Screedbinder** as a total water replacement **TAL Superscreed SL** is classified as polymer-modified CT-C30-F6 screed (cementitious screed (CT) with a compressive strength (C) of minimum 30 N/mm<sup>2</sup> (MPa) and a flexural strength (F) of minimum 6 N/mm<sup>2</sup> (MPa)).

#### Packaging

20kg bags.

**Maximum water content: 5L per bag.**

#### Approximate Coverage

1.8kg/m<sup>2</sup>/1mm thickness (ie a 20kg bag will cover approximately 3.7m<sup>2</sup> at a 3mm build).

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

#### Shelf Life & Storage

12 months from date of manufacture when stored in dry internal conditions between 10°C and 30°C and out of direct sunlight. **To protect from damp never store directly on a concrete floor.**

#### Installation / Health & Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly.

**Please refer to the Method Statement (MS) and Material Safety Data Sheet (MSDS) prior to the purchase and use of this product.**

#### TAL Technical Advice Centre

For advice or a detailed Materials and Methods Specification contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail [taltech@tal.co.za](mailto:taltech@tal.co.za).

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#### 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. In special cases, obtain professional advice. 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 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. TAL reserves the right to change the information on this datasheet. Please contact the TAL Technical Advice Centre on [taltech@tal.co.za](mailto:taltech@tal.co.za), or 0860 000 825 to ensure you have the latest version.