

TECHNICAL DATA SHEET

SCREEDMASTER[®]

RAPID SET
TECHNOLOGY

SETS AFTER
3 HOURS

Rapid-setting self-levelling & smoothing
underlayment compound



DESCRIPTION

TAL Screedmaster is a commercial grade 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 it produces a smooth, flexible and hard-wearing floor surface prior to the fixing of floor coverings with minimum installation time.

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 when suitably covered.

TAL Screedmaster is only suitable for underlayment applications and should be covered with a durable floor covering once cured.

TAL Superflow or **TAL Stoneflow** should be used if an overlayment / decorative screed finish is required.

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

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.

FEATURES

- Self-levelling and smoothing
- Rapid set
- Shrinkage-compensated



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Revision Date: 20 April 2021



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LABORATORY DATA:

Type	Modified cementitious underlayment
Colour	Grey
Setting Type	Rapid setting
Pot Life*	30-50 minutes
Open Time* (Working Time After Mixing)	20 minutes
Initial Set*	Minimum 1 hour
Trafficable (<i>light</i>) After*	3 hours
Floor Covering Installation After*	24 hours, depending on application thickness and ambient conditions
Compressive Strength (28 days)	25-30MPa
Flexural Strength (28 days)	5-9MPa
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	22kg/5L
Min Application Thickness	3mm
Max Application Thickness	16mm
Density	1.8
Pack Size	22kg

*At 23°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 Screedmaster is classified as a polymer-modified CT-C25-F5 screed (cementitious screed (CT) with a compressive strength (C) of minimum 25 N/mm² (MPa) and a flexural strength (F) of minimum 5 N/mm² (MPa)).

VOC CONTENT:

2.55g / ℓ as VOC content material.

PACKAGING:

22kg bags.

Maximum water content: 5L per bag.

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APPROXIMATE COVERAGE:

1.8kg/m²/1mm thickness (ie a 22kg bag mixed with 5 litres of water will cover approximately 5m² at a 3mm build).

NB : Actual coverages will be determined by site conditions, substrate profile and flatness, workmanship, etc.

SHELF LIFE & STORAGE:

12 months from date of manufacture when stored in the original unopened packaging 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 a detailed Materials and Methods Specification contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail taltech@tal.co.za

Branches: Gauteng (011) 206-9700; Cape (021) 386-1810; Natal (031) 579-2263

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