

# FLOWLINE

Self Levelling Floor Underlayment Screed

Flowline is a fine, flowable, cementitious based, single component, self-levelling floor underlayment screed. Flowline is designed for levelling of floors prior to application of vinyl tiling, carpeting and tiling. Flowline provides a very smooth, hardened finish, which is ready for coverings approximately 12 hours later.

## BENEFITS:



*Easy to mix and apply.  
Substrate versatile.*



*Quick drying.*



*Self-levelling with good adhesion  
to concrete and other masonry  
materials.*



*May be applied over tiles with  
suitable preparation and priming.*



*Compatible with water based and  
solvent based contact adhesives*

## APPLICATIONS

- Self-levelling underlayment (SLU) for floors
- Levelling of floors before applying carpets or vinyl tiles
- Floor leveller before applying parquet wood or ceramic tiles
- May be used as a cementitious scraper coat for a thin layer screed mortar as well as a screed up to 5 mm thick to fill holes and depressions.

## TECHNICAL DETAILS

Mix ratio	5L (water) : 20 kg bag
Yield	12 L
Coverage	4 m <sup>2</sup> @ 3 mm thickness
Pot Life	15 - 20 minutes
Cure Time	12 hours, hard dry 24 hours, normal traffic
Compressive Strength	25 - 30 MPa, 28 day
<b>PACKAGING</b>	
FLOWLINE is supplied in 20kg poly-woven bags	

## DIRECTIONS

### Preparation

Surfaces to be levelled should be clean, free of oil, grease and paint. Defects deeper than 5 mm should first be patched, using Techfin GP Grout. It is advisable to rub the floor down before starting the application, using a carborundum block to remove any projections.

### Priming Precautions

Old porous tiles such as clay tiles may have absorbed oily contaminants that are difficult to extract resulting in the Flowline not adhering to the surface. In such cases it is necessary to grind the tiles mechanically and degrease as best as possible. Then apply Solidkote 110 wet-to-dry epoxy primer for optimal adhesion results.

It is essential that the concrete floor to be levelled is well primed with Seal 'n Strengthen (4 - 12m<sup>2</sup> per litre depending on porosity of the floor) using either a soft broom or PVA roller. Porous floors will require two applications of primer to obtain a non-absorbent surface. Test the floor, after the primer has dried with water to check that there is no penetration taking place. Priming should be completed 4 - 8 hours ahead of levelling with Flowline.

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## **Application**

Once the substrate is suitably primed, mix the 20 kg Flowline with 5 L water using a mechanical mixing tool for 3 minutes to ensure a lump free, flowing paste. Ensure the mixing is performed with a high-torque, low speed mixing device. Pour the mixed product onto the primed floor and begin to spread using a 6 mm notched rake or rubber squeegee. Spread the mix over the floor and then spike roll to level stubborn ridges as soon as possible or the screed will not self-level.

Working time is 10 - 12 minutes for best self-levelling results. Allow the system to set and harden for 12 hours and then lightly rub the surface down with 100 grit floor paper to ensure that there are no projections.

## **SPECIFICATION**

Flowline is designed as a levelling compound for floor systems and should be used as supplied with addition of water only. The substrate needs to be correctly prepared and weak substrates may require additional preparation work or priming to achieve the desired finish. Please contact your sales representative should your floor require any further attention. Flowline should be tested on site to affirm its suitability for a particular application.

## **HEALTH AND SAFETY:**

Flowline is a cementitious based product and should be treated as such. Wear rubber gloves for skin protection and dust masks while mixing.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

## **WARRANTY**

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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