

FLOWLINE SL

Premium High Strength Self-Levelling Floor Screed

Flowline SL is a free flowing, quick setting, high early strength, flow applied, cement based, self-levelling floor underlayment screed.

Flowline SL is designed with specially selected hydraulic cements, graded silica aggregates, resins and additives producing a high strength, durable surface with very low shrinkage. It provides a very smooth, hardened finish, which is ready for coverings approximately 12 hours later.

UNIQUE PRODUCT BENEFITS

- Easy to mix and apply.
- Substrate versatile.
- Long pot life, self-healing up to 20 minutes with a rapid post cure.
- Self-levelling with good adhesion to concrete and other masonry materials.
- High early strength and durability with low shrinkage on curing.

APPLICATIONS:

- Self-levelling floor underlayment (SLU) for concrete floors from 3 mm up to 10 mm in one application.
- Levelling of floors prior to installation of: carpets, ceramic tiles, vinyl tiles, laminates, parquet, epoxy and polyurethane resin-based coatings, decorative floor systems.
- 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

Appearance	Grey
Components	Single pack
Mix Ratio	4 L (water) : 20 kg Bag
Yield	12 L
Coverage	4 m ² @ 3 mm
Pot Life	30 min.
Working Time	20 min.
Initial Set	4 hrs
Walk On Time	6 to 8 hrs
Normal Traffic	12 hrs
Compressive Strength	≥ 10.6 MPa, 1 Day ≥ 15.9 MPa, 7 Days ≥ 30.5 MPa, 28 Days
Flexural Strength	≥ 4 MPa
Bond Strength	≥ 1.5 MPa

PACKAGING

Flowline SL is supplied in 20 kg poly-woven bags

DIRECTIONS

Preparation

Surfaces to be levelled should be clean, free of oil, grease and paint. Diamond grind the surface to increase porosity and to remove any projections. Defects deeper than 5 mm should first be patched, by applying a scraper coat with Flowline SL.

Leading manufacturers of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.

Distribution facilities nationwide

Western Cape

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Priming Concrete

It is essential that the concrete floor to be levelled is well primed with **Techfin HD Bonding Liquid** at 8 to 12 m² per litre depending on porosity of the floor using either a soft broom or PVA roller. Porous floors will require two applications of primer (diluted 50% with water) 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 1 to 2 hours ahead of levelling with **Flowline SL**.

Priming Tiles

Old porous tiles such as clay tiles may have absorbed oily contaminants that are difficult to extract resulting in the **Flowline SL** not adhering to the surface. In such cases it is necessary to grind the tiles mechanically and degrease as best as possible with Liquid Action. Then apply **Solidprime 321** epoxy primer scraper coat and a full broadcast of Scatter Sand Fine to rejection. Sweep and clean excess broadcast sand, prime with **Techfin HD Bonding Liquid** and follow with **Flowline SL** for optimal adhesion results.

Application

Once the substrate is suitably primed, mix the 20 kg **Flowline SL** with 4 L clean potable water using a mechanical mixing tool for 2 to 3 minutes to ensure a lump free, fluid consistency. Allow the mixed product to stand for 2 to 3 minutes and then remix before application. Ensure the mixing is performed with a low speed mixing device and the bag added slowly to the water. Pour the mixed product onto the primed floor and begin to spread using an 8 mm notched rake (3 mm thickness) or pin rake set to the desired thickness. Spread the mix over the floor and then smooth by trowel and spike roll to level stubborn ridges as soon as possible or the screed will not self-level adequately.

Working time is 20 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 SL 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 SL** should be tested on site to affirm its suitability for a particular application.

The above information is supplied to the best of our knowledge and is believed to be correct. All products are tested and subjected to a SABS approved quality management system ISO 9001:2015 and are guaranteed against defects. Technical Finishes SA Pty Ltd will not be held responsible for the application work performed by the contractor/ applicator.

HEALTH AND SAFETY

Flowline SL is a cement containing 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 OHSA 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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