

SLM™400

Two-Component Self-Leveling Mortar

PRODUCT DESCRIPTION

Self-Leveling Mortar SLM™ 400 is a two component, polymer modified, waterborne cementitious levelling screed designed to level out rough, tamped concrete prior to the application of a protective flooring system. Self-Leveling Mortar is also compatible with other flooring systems such as polyurethanes, alternative cement-based flooring systems or polyureas.

As Self-Leveling Mortar has a waterborne formulation, it cures without releasing hazardous solvents or odours during application and can be used in food manufacturing plants and other environments where it is important that any products produced are not tainted. One of the key features Self-Leveling Mortar is that it is exceptionally rapid curing and develops high early strength, enabling early trafficking and rapid reintroduction of facilities into services.

ADVANTAGES

- Able to level out very rough and uneven concrete surfaces. Suitable for use on both level and sloping substrates and ramps.
- Can be applied at thicknesses ranging from 0-60mm in a single application and can be feather edged.
- Excellent adhesion to dry or damp cementitious substrates.
- Can be applied to concrete floors with no effective waterproofing membrane, without risk of osmotic blistering.
- Waterborne product, curing without the release of hazardous solvents or heavy odour.
- Exceptional waterproofing properties with low permeability to water, resisting 10 bar positive and negative pressure.
- Rapid curing and hardening properties – can be overcoated within 24 hours.
- Materials are pre-packaged in a convenient and easy to handle size, requiring only mixing on-site to give a mortar which can be rapidly applied by trowel or squeegee.

PRODUCT USES

For leveling, smoothing and repairing of interior residential or commercial floors before the installation of flooring systems or floor coverings. Following are typical substrates:

- Existing concrete floors with damaged finishes over wood floor systems.
- New concrete floor slabs with unacceptable finishes.

HOW TO USE

Pour SLM™ 400 mortar onto the primed sub-floor and use a steel finishing trowel or float to spread the mortar and finish off. The mixed mortar will flow out and self-smooth within the first 15 minutes of its 20 minutes working time. A 3mm layer will be walk able after approximately 6 hours at 30°C; this time is extended at lower and reduces at higher temperatures. This time is also reduced where



Two component self-leveling mortar- SLM™ 400

thinner applications are applied to absorbent sub-floors. Apply at temperatures above 5°C.

PHYSICAL PROPERTIES

Mix ratio	31.25KG per set (25kg Part B + 6.25liter part A)
Application temperature	5°C to 15°C
Ambient humidity	75% max
Thickness of layer	Up to 60 mm
Pot life	20 min
Cohesive strength	5.2MPa
Ambient temperature	5°C to 35°C
Colour of Mixture	Grey
Drying time	Up to 24 hour

TECHNICAL DATA

Compressive Strength (1 day)	9N/mm ²
Compressive Strength (28 days)	40N/mm ²
Flexural strength (1 day)	3N/mm ²
Flexural strength (28 days)	8N/mm ²

FIRST AID

Avoid contact with eyes and prolonged irritation. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Call a physician. In case of contact with skin, wash skin thoroughly

For more information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER OF LIABILITY

Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product within one month. Any claim for breach of this warranty must be brought within one month of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.