

Calcium Sulphate Based Self-Leveling Screed

Definition

A self-leveling floor screed that can be applied in thicknesses ranging from 1 to 15 mm. It is polymer-modified, crack-resistant, and shrinkage-free. It is based on calcium sulfate and can be applied manually or by machine. It is a high-performance product with excellent flow.

Areas of Usage

- *Can be used in all types of buildings, indoors.
- *Suitable for cement, concrete, and calcium sulfate floors.
- *Used on floors exposed to medium to heavy pedestrian traffic before final surface coating.
- *Applied for surface leveling before bonding ceramic, marble, parquet, carpet, and PVC coverings.
- *Used for leveling uneven floors.
- *Commonly used in healthcare facilities, shopping malls, and hotels

Product Features

- *Quick and easy application.
- *Fast setting time.
- *Smooth and homogeneous surface finish.

APPLICATION PROCEDURE

Preparation of Surface

The surface must be solid, load bearing, dust-free, and clean. Any residues such as oil, grease, rust, and paraffin that could weaken adhesion should be removed, and there should be no loose particles. Surface irregularities should be repaired. Airflow should be prevented in the application area. In large areas, cladding should be done and application levels should be determined in order to prevent elevation differences.

Priming

To extend the working time of eile LEVEL 15 self-leveling screed, ensure high adhesion to the application surface, and minimize the formation of possible air bubbles, the surface should be primed with eile PRIMER E. A second coat of primer should be applied on highly absorbent surfaces. At least two hours should elapse between primer applications. Application of eile LEVEL 15 should begin 24 hours after primer application. eile PRIMER E should be applied without thinning.

Mixing

An appropriate amount of clean water is poured into a clean mixing bucket. The material is slowly added to the mixing bucket, and it is stirred with a low-speed mixer for approximately 3-4 minutes until a homogeneous mixture is obtained. After resting for about 4 minutes, it is stirred again for about 30 seconds to make it ready for use.

Mixture Ratios

For a Bag of 25 kg: 6,5-7,5 liters of water
Mixture density: 2 g/cm³

Application Method

The prepared mortar spreads automatically. The thickness of the material is adjusted with a notched trowel. During setting time, water should not be added, and any air bubbles on the surface should be removed with a spiked roller. Sudden changes in temperature in the application environment should be prevented. Application should not be carried out in areas exposed to sunlight and wind effects. After the correction and spiked roller applications are completed, the application is left to dry. It can be walked on approximately 6 hours later. Processing can be done after 72 hours for a 5 mm layer. It is recommended to wait an additional 24 hours for every 1 mm thickness above 5 mm.

Consumption

1,5-1,7 kg/m² for 1 mm thickness (powder product)

Important Points

- *eile LEVEL 15 is suitable for application in temperature conditions ranging from +5°C to +30°C. If the ambient or application surface temperature is not within the suitable temperature range, appropriate temperatures should be awaited for application. Application should not be carried out in extremely hot and windy environments.
- *The temperature of the surface and environment to be applied should be within the permitted temperature range, as it will affect the hydration reaction.
- *After application, rapid drying should be prevented, and the applied material should be protected from water contact.
- *Applications should be carried out by expert applicators.
- *After the material is applied, at least three days should be waited for possible surface coating applications.
- *It is crucial not to skip the resting of the mixture step, and mixing it again before application.

Structure of the Material: Contains Mineral Fillers,
Polymer Reinforced Special Cement.



Color : Beige

Compressive strength : > 15 N/mm² (28 days)

Application Thickness : min. 1 mm max. 15 mm

Ground Temperature : +5 °C - +30 °C

Usage Time : 30 min. (+20 °C) (pot life)

Coating Time : For 5 mm thickness, 72 hours

Ability to Walk on **Time:** 6 hours

Over Application : min. For 5 mm thickness 3 days
(+20 °C)

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The typical values above are valid for 28 days performance of finished applications at + 23°C and 50% relative humidity conditions. Values may vary due to differences in the worksite.

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ZMN-4

TS EN 13813

Cement screed materials

Fire resistance	A1
Bending resistance	F3
Compressive strength	C16
Bond strength	0,7N/mm ²

Cleaning of Tools

Tools and equipment used should be cleaned with water after application. Once the material hardens, it can only be mechanically removed from the surface.

Package

25 kg craft bag

Storage

It should be stored in its original package in a cool and dry environment with a maximum 10-fold stacking.

Shelf Life

Under the specified storage conditions, the shelf life is 12 months from the date of manufacture.

Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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