

Cement Based Self-leveling Screed

Description

It is used as correcting mortar on non-uniform concrete ground. It is a cement based ground leveling screed that is applicable between 1-10 mm thickness, polymer modified, non-cracking and shrinking.

Areas of Usage

- *Used in areas with medium to heavy pedestrian traffic before final coating.
- *Before the application of ceramic, marble, parquet, carpet, and PVC coatings.
- *For leveling uneven surfaces.
- *Used in healthcare facilities, shopping malls, and hotels.

Features of Product

- * Quick and easy application.
- * It is mixed with water.
- * It is self-leveling

APPLICATION PROCEDURE

Surface preparation

The surface should be considered to be solid, load bearing, dust-free and clean. The substance residues which reduce adherence such as oil, grease, rust and paraffin should be cleaned; there should be no loose parts. Defects on the surface should be repaired. Air flow should be prevented in the area where the application will be made. In the large areas, the carrelage should be done to prevent the level difference and the application elevations should be determined.

Priming

The surface should be primed with **eile PRIMER E** in order to extend the processing time of **E eile LEVEL** leveling screed, to provide high adherence to the application ground, to minimize the possible formation of air bubbles. Second primer coat should be made on high absorbent surfaces. The waiting period should be at least two hours between coats on which primer application will be made. Later than 24 hours after primer application, eile level application is started. **eile PRIMER E** should be applied without thinning.

Mixing

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

Mixing ratios

For 25 kg Bag: 4, 5 - 5.25 liters of water
Mixture Density: 2 gr/cm³

Application Method

The prepared mortar is self-leveling. The thickness of the material is adjusted with a notched trowel. During the setting time, no water should be added, and any air bubbles on the surface should be removed with a spiked roller. Rapid temperature changes in the application area should be prevented. The application should not be performed in areas exposed to sunlight and wind.

Consumption

For 1 mm thickness, 1.7-1.8 kg/m² (powder product)

Cleaning of Tools

After the application, the tools and equipment used should be cleaned with water. The material can only be mechanically removed from the surface after it has hardened.

Important Points

***eile LEVEL** is suitable for application in temperatures between +5°C and +25°C. If the ambient or application surface temperature is not within the appropriate temperature range, suitable temperatures should be waited for application. Avoid application in extremely hot and windy environments.

*The temperature of the application surface and environment should be within the allowed temperature range as it affects the hydration reaction of the cement.

*Rapid drying of the applied material should be prevented. The applied material should be protected from water contact.

*Applications should be done by expert applicators.

*After the material is applied, at least three days should be allowed before any surface coating applications.

*It is essential not to neglect the resting and re-mixing of the mixture before application.

Technical Specifications

Structure Of the Material: contains Mineral Fillers, Polymer Reinforced Cement.
Color: Gray
Compressive Strength: > 15 N/mm ² (28 days)
Adhesion Strength: > 1, 0N/mm ² (28 days)
Application Thickness: min. 1 mm max. 10 mm (3-10 mm for the grounds exposed to heavy pedestrian traffic)
Ground Temperature: + 5 °C to + 25 °C
Duration Of Use: 30 min. (+ 20 °C) (pot life)
Full Curing Time: 28 days (+ 20 °C)
Walk-on
Duration: 12 hours (+ 20 °C)
Application on: min. 3 days (+ 20 °C)

The typical values are valid for the performance after 28 days following the application finished in the conditions of + 23 ° C and 50% relative humidity. Values may vary due to differences in site environment.

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.

	
POMZA EKSPORT MADENCİLİK SANAYİ VE TİCARET A.Ş MENDERES -İZMİR/TÜRKİYE	
24 ZMN-4	
TS EN 13813 Cement Screed Materials	
Fire resistance	A1
Bending strength	F3
Compressive strength	C16
Bond strength	0,7N/mm ²

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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