

POMEX THIN PLASTER



Polymer Reinforced Cement Based Thin Plaster

Description

It is a cement based, fiber and polymer reinforced economic thin plaster mortar.

Certified to TSE EN 998-1 TSE and EN 998-1 CE Documents.

Areas of Usage

It is applied as thin plaster on primed rough cast, both indoors and outdoors. Prior to application on absorbent surfaces such as aerated concrete, the surface should be primed with **eile TU 05** or **eile COAT E**. Depending on the ambient temperature, 1-2 days of waiting time is required.

Features of Product

- *It creates a solid base with high adhesion and strength.
- *It is easy to apply and cost-effective.
- *Due to its reinforced fibers, it is resistant to external influences.
- *For machine applications, machine thin plaster should be preferred.

Application Procedure

Surface Preparation

The application surface must be strong, flat and clean. All kinds of materials that could decrease adherence should be removed. The surface should be free from substances that reduce adhesion. Before application, the surface must be moistened, and on hot and windy days, it should be saturated with water.

Mixing

The appropriate amount of water is poured into a clean mixing container using a scale. The product is slowly added. It is mixed with a low-speed mixer for 3 - 5 minutes until a homogeneous mixture is obtained. After resting for about 5 minutes, it is mixed again for 20-30 seconds, and the material is ready for use.

Mixture ratio

For 25 kg of powder: 5-6 liters of water
For 1 kg of powder: 0.200-0.240 liters of water
Density of the mixture: 1.5-1.6 g/cm³

Application Method

The prepared mixture is applied with a trowel to a surface that has been previously saturated with water or primed, ensuring that the thickness does not exceed 4 mm. If desired, after the applied mortar has absorbed water, the mortar surface is moistened with a plasterer's brush, and the surface is finished smoothly with a steel trowel.

Important Points

- * For the application, if the ambient temperature is below +5°C or above +30°C, the suitable conditions should be met. Extremely hot, rainy or windy weather is not suitable for application.
- *The thickness of the plaster application should not exceed 4 mm.
- *Water and new material should not be added to the crusted mixture.
- *The prepared mixture should be consumed within 45 minutes at 20°C.
- *The surface where the product is applied should be protected from sun and wind for 24 hours.

Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. **eile POMEX THIN PLASTER** can be removed only mechanically after it hardens.

Packaging

Kraft sack of 25 kg

Storage: Best stored in cool and dry place in unopened package with a maximum 10-fold stacking.

Shelf Life: 12 months following the production date under the specified storage conditions.

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Technical Specifications

Structure of the material: mineral fillings, special additives and cement

Color: Grey

Application temperature: +5 °C /+30 °C

Maturation period: 5 minutes

Application thickness: 2-4 mm

Pot life (20 °C): 45 minutes

Consumption: min. 2.5 kg (for 2 mm thickness)

Ready within: 24 hours (20 °C)

Compressive strength: ≥ 6 N/mm²

Bond strength: ≥ 0.5 N/mm²

Capillary water absorbency: ≤ 0.4 kg/m²min^{0.5}



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TS EN 998-1

Dry bulk density: 1400±200 kg/m³
Compressive strength: CS IV
Bond strength: ≥ 1 N/mm²
Capillary water absorbency: ≤ 0.4 kg/m²min^{0.5}
Water vapor permeability: ≤ 15 μ
Fire reaction class: Class A 1

The typical values above are valid for the performances of the applications 28 days after their finish at +23°C for 50% relative humidity. The values might change due to the differences in the worksite environment.

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.

Liability: POMZA EXPORT A.Ş., the producer of eile POMEX-branded products, cannot be held responsible for any improper applications (misuse) due to non-compliance with the above-mentioned recommendations and application conditions. It is the responsibility of the applicator to ensure that the product is used according to its intended purpose and that the application conditions and methods are valid. eile POMEX Construction Chemicals does not accept any claims for compensation arising from failure to apply the products as recommended, work-related accidents, or any direct or indirect damages.

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