

eile SYP 1000



Cement Based Ceramic and Tile Adhesive

Description

It is a cement-based standard performance tile adhesive with reduced slippage and extended open waiting time.

TS EN 12004 TSE C1TE class

Certified to EN 12004 CE conformity document.

Areas of Usage

- *It is used in bonding the coating materials such as ceramic, tile and glass mosaic
- *On walls and floors indoors and on floors outdoors.

Features of Product

- *Easy to prepare and apply.
- *Extended processing time.
- *Does not slip in vertical applications.
- *Has high adhesion properties.

APPLICATION PROCEDURE

Surface Preparation

The application surface must be solid, dry, load bearing, dust-free, and clean. Additionally, any residues that may reduce adhesion should be removed, and loose particles should be cleaned. Rough surfaces should be repaired with **eile TH 60** or **eile TH 70** repair mortars at least two days in advance. If the application surface or ambient temperature is above +25°C, the application surface should be moistened, and it should be waited until there is no free water on the surface.

Mixing

Suitable amount of water is poured into a clean mixing container, and **eile SYP 1000** bag is added slowly. It is mixed with a low-speed mixer for 3-5 minutes until a homogeneous appearance is obtained. After resting for 5 minutes, the mixture is stirred again for 20-30 seconds, and it becomes ready for use.

Mixture ratios

For 25 kg of powder: 6-7.5 liters of water
For 1 kg of powder: 0.240-0.300 liters of water

Application Method

A 1 mm thick layer of **eile SYP 1000** is applied to the application surface using the flat side of the trowel, and then **eile SYP 1000** Adhesive Mortar is applied in a single direction with the toothed side of the trowel to achieve the desired thickness. When different thicknesses of ceramics or tiles are being installed, it is recommended to apply a 1 mm thick layer of mortar under each ceramic or tile to fill any surface irregularities. To ensure good adhesion, pressure should be applied to the ceramics or tiles using a rubber mallet to ensure full contact with the adhesive mortar. After leaving recommended joint spaces according to the appropriate size of ceramics or tiles, the application is completed. To fill the joint gaps, **POMEX** grout sealant should be used.

Consumption

Ceramics Size	Ceramic notch size	Consumption
Grout Width		
10x10 and 20x20 cm Up to 5 x 5 cm	8x8x8 mm 3 mm	Single sided adhesion 4-5 kg/m ²
20x20 and 60x60 cm Up to 15 x 15 cm	10x10x10 mm 4 mm	Double sided adhesion 7-8 kg/m ²
Above 15x15 cm	6-8 mm	

Technical Specification

Structure of the material Mineral fillings, synthetic additives and special cement.
Color : Grey-White
Initial tensile adhesion strength: ≥ 0.5 N/mm²
Initial tensile adhesion strength after immersed in water: ≥ 0.5 N/mm²
Tensile adhesion strength after thermal aging: ≥ 0.5 N/mm²
Tensile adhesion strength after freeze-thaw cycle: ≥ 0.5 N/mm²
Tensile adhesion strength after extended open waiting period (at least 30 min later): ≥ 0.5 N/mm²
Application Temperature: +5°C +35°C
Serving Temperature: -40°C +80°C
Waiting Period: 5 minutes

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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.

Important Points

- *If the ambient and surface temperature is below +5°C or above +35°C, suitable temperatures should be waited for before application. Avoid application in extremely hot, rainy, or windy weather conditions.
- *Proper humidity level is required to enhance the performance of the adhesive mortar.
- *The spreading thickness of **eile SYP 1000** should be minimum 3 mm and maximum 6 mm.
- *Ceramics with high water absorption should be saturated with water before application.
- *Do not add water or new material to the drying mixture.
- *On highly porous surfaces, proceed to ceramic application after priming the surface with **eile Prime E**.
- *Impermeable and glossy surfaces should be primed with **eile TU 05** or **eile TU-06** before application.
- *Joint application can be carried out at least 24 hours later.
- *In wet area applications, joint gaps should be filled with **Pomex Flex Grout** or **Pomex Pool Grout**.

*Joint gaps wider than 6 mm should be filled with **Pomex Rustic Grout**.

*For applications higher than 3 meters on both interior and exterior facades of buildings, **eile POMEX 28** product should be used.

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.



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TS EN 12004

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≥0.5 N/mm²

Tensile adhesion strength after immersed in water:

≥0.5 N/mm²

Tensile adhesion strength after thermal aging:

≥0.5 N/mm²

Tensile adhesion strength after freeze-thaw cycle:

≥0.5 N/mm²

Safety Recommendations: During application, appropriate workwear, protective gloves, and eye protection regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash the affected area with water and seek medical attention immediately. Store out of the reach of children. No food or drink should be consumed during application.

Liability: POMZA EXPORT A.Ş., the producer of **eile POMEX**-branded products, cannot be held responsible for non-compliance with the above-mentioned recommendations and application conditions. The user is responsible for the application according to its intended purpose and that the application conditions and methods are suitable for the intended use. The user is not entitled to compensation arising from failure to apply the products as recommended, work-recommendations, or other conditions.

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