

eile POMAX 28

Cement-Based, High-Performance Flexible Two-Component Adhesive Mortar

Description:

A two-component, flexible adhesive mortar with extended working time, reduced slippage, cement and acrylic resin-based.

Class:

C2TE S2

Areas of Use:

- Used for bonding ceramic, natural stone, porcelain, decorative brick, and similar covering materials on walls and floors, on concrete, plaster, or screed, in both interior and exterior areas.
- Suitable for areas with heavy pedestrian and load traffic such as shopping centers, schools, and hospitals.
- For external wall applications: for wall heights up to 15 m, the maximum size of the covering material should be 60x60 cm; for heights between 15 m and 30 m, the maximum size of the covering material should be 40x40 cm.

Product Features:

- Excellent adhesion properties.
- Extended working time.
- Flexible.
- Resistant to surface tensions caused by sudden temperature changes.
- High stability.

Application Procedure:

Surface Preparation:

Ensure that the application surface is solid, dry, load-bearing, dust-free, clean, and level. The surface must be thoroughly cleaned of oil, grease, rust, and paraffin residues that may reduce adhesion. Loose particles should be removed. Any surface irregularities should be corrected with **eile TH 60** or **eile TH 70** repair mortars. If the application surface or ambient temperature exceeds +25°C, the surface should be wetted and allowed to dry until no free water remains.

Mixing:

Component B (liquid) is placed into a clean mixing container. The powder-form component A is slowly added to the liquid component B and mixed with a low-speed mixer for about 3-5 minutes until a homogeneous mixture is obtained. Let the prepared mortar rest for 5 minutes to mature, then mix again for 1-2 minutes before proceeding with the application.

Mixing Ratios:

- 25 kg component A
- 8 kg component B

Application Method:

The ready-to-use **eile POMAX 28** adhesive mortar is applied to the surface with the flat side of the trowel in a 1 mm thick layer. The notched side of the trowel, selected based on the size of the covering material, is then used to achieve uniform thickness in one direction. To ensure good adhesion, press the covering material with a rubber mallet to ensure it makes full contact with the adhesive mortar. The bonding of large covering materials should be carried out horizontally, and the next row should not be applied until the previous row has gained its initial strength. For façades without window details, expansion joints should be left every 4-5 meters, and **eile Polyurethane Sealant** should be used.

Consumption

Ceramics Size	Ceramic notch size	Consumption
10x10 and 20x20 cm	8x8x8 mm	Single sided adhesion 4- 5 kg/m ²
20x20 and 60x60 cm	10x10x10 mm	Double sided adhesion 7-8 kg/m ²

Ceramics Size	Grout Width
Up to 5 x 5 cm	3 mm
Up to 15 x 15 cm	4 mm
Above 15x15 cm	6-8 mm

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Points to Consider:

- During the application of **eile POMAX 28**, if the ambient or surface temperature is below +5°C or above +35°C, the application should be delayed until appropriate temperatures are reached. Do not apply in extremely hot, rainy, or windy conditions.
- To enhance the performance of the adhesive mortar, an appropriate moisture level is required.
- Ceramics with high water absorption should be saturated with water before application.
- Do not add water or new material to the **eile POMAX 28 Adhesive Mortar** once it has started to dry.
- For very porous surfaces, prime the surface with **eile ASTAR E** before applying ceramics.
- On smooth, glossy surfaces such as exposed concrete, apply **eile TU-05** or **eile TU-06A** primers before applying **eile POMAX 28**.
- The tiles bonded with **eile POMAX 28** should not come into contact with water for at least 24 hours.
- Grout application should not begin until at least 24 hours after the **eile POMAX 28** application has been completed.

Packaging:

- Component A: 25 kg kraft bag
- Component B: 8 kg plastic canister

Storage:

Store in its unopened original packaging, in a cool and dry place, stacked no more than 10 layers high.

Shelf Life:

12 months from the production date under the specified storage conditions.

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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Technical Specifications

structure of the material (Component A): Mineral fillings, special additives and cement

structure of the material (Component B): Acrylic resin based

Color: Component A grey powder
Component B white liquid

Initial tensile adhesion strength: $\geq 1 \text{ N/mm}^2$

Waiting Period: 5 minutes

Application period (Pot Life): 2 hours (20 °C)

Ready to be walked on within: 24 hours (20 °C)

Tensile adhesion strength after immersed in water:
 $\geq 1 \text{ N/mm}^2$

Tensile adhesion strength after thermal aging:
 $\geq 1 \text{ N/mm}^2$

Tensile adhesion strength after freeze-thaw cycle: $\geq 1 \text{ N/mm}^2$

Tensile adhesion strength after open waiting period (at least 30 min later): $\geq 0.5 \text{ N/mm}^2$

Shift: $\leq 0.5 \text{ mm}$

Application Temperature: +5 °C +35 °C

Flexibility: $\geq 5 \text{ mm}$

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.

Cleaning of Tools:

The tools and equipment used during the application should be cleaned with water. Once **eile POMAX 28** adhesive mortar has hardened, it can only be removed mechanically.