

eile POMAX 28

Cement Based High Performance Flexible Adhesive Mortar with Two Components

Description

Cement and acrylic resin based flexible adhesive mortar with reduced slipping and extended open waiting period consisting two components.

Areas of Usage

*Used for sticking such coating materials as ceramics, natural stones, porcelain ceramic and decorative bricks on concrete, plaster or screed for the indoor and outdoor walls and floors.

*Used in places such as shopping malls, schools and hospitals where there is a busy pedestrian or load traffic.

*In outdoor wall applications, the coating material size to be applied up to 15 m can be max 60x60 cm, while the coating material size to be applied between 15 m and 30 m should be max 40x40 cm.

Features of Product

- * It is perfectly adhesive.
- * It gives long time to work on it.
- * It is flexible.
- *It is resistant to surface tensions caused by instant temperature change.
- *It is highly stable.

Application Procedure

Surface Preparation

The application surface should be strong, dry, bearing, dust-free as well as leveled. All the residues such as oil, grease, rust and paraffin reducing adherence, and the loose parts should be removed. Rough surfaces on which application will be carried out should be repaired using repair mortars **eileTH 60** or **eileTH 70**. If the application surface or ambient temperature is above +25°C, the application surface should be moisturized and should be left to dry up until there is no uncontrolled water on the surface.

Mixing

Component B is put in a clean mixing bowl. The powder component A is slowly added into liquid component B to prepare a homogeneous mixture by mixing it with a low speed mixer for 3 - 5 minutes. The prepared mortar is left for 5 minutes for maturation and applied after being mixed again for 1-2 minutes.

Mixture ratios

Component A 25 kg

Component B 10 kg

Application Method

The prepared **eile POMAX 28** adhesive mortar is applied on the surface as thick as 1 mm using the flat side of the steel trowel. It should be applied unidirectional until the thickness is uniform using the notched side of the trowel which has been selected in line with the size of the coating material. In order to enable good adhesion, the coating material must completely touch the adhesive mortar by being pressed down by a rubber hammer. The big coating materials must be adhered on a horizontal direction, and the finished row should become strong enough to continue with the next. On the fronts without windows, there should be an expansion grout once in 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 take into consideration

- * For **eile POMAX 28** 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 proper moisture level is required to enhance the performance of the adhesive mortar.
- *The ceramics with high water absorbency rate should be saturated with water before the application.
- *The **eile POMAX 28 Adhesive Mortar** starting to dry should not be mixed with water or new materials.
- *The porous surfaces should be primed with **eile PRIMER E** before ceramic application.
- *Impermeable and bright surfaces such as exposed concrete should be primed with **eile TU 05** or eile TU O6 before the application of **eile POMAX 28**.
- *The tiles adhered using **eile POMAX 28** should be kept away from water for at least 24 hours.
- *Grout applications should take place after at least 24 hours after the application of **eile POMAX 28**.

Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. eile POMAX 28 Adhesive Mortar can be removed only mechanically after it hardens.

Packaging

A component in a Kraft sack of 25 kg

B component in a plastic can of 10 kg

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.

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

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

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş.**, the producer of **eile POMEX branded products**. The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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