

POMEX RAPID HARDENING CERAMIC ADHESIVE MORTAR

Description

It is cement based, polymer reinforced rapid hardening adhesive mortar with high performance.

Areas of Usage

Used for sticking ceramics, granites and natural stones on concrete, plaster or screed on the indoor walls and floors and outdoor floors to make them available for use within a day.

Features of Product

- *It is perfectly adhesive.
- * It is easy to prepare and apply.
- *It gains resistance within 6 hours thanks to its rapid setting quality.
- *It is highly stable.

Application Procedure

Surface Preparation

The application surface should be strong, dry, bearing, dust-free and clean, as well as leveled. All the residues such as oil, grease, rust and paraffin reducing adherence as well as the loose parts should be removed. Rough surfaces on which the 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

A clean mixing bowl is filled with the necessary amount of water by means of a scale. **POMEX RAPID HARDENING CERAMIC ADHESIVE** is slowly added into. A homogeneous mixture is prepared by mixing it with a low speed mixer for 3 - 5 minutes. The mixture waits for 3 minutes for maturation before being mixed for another 20-30 seconds.

Mixture ratios

- 6. -7.0 liters of water for 25 kg powder
- 0.240-0.280 liters of water for 1 kg powder

Application Method

The prepared **eile POMEX RAPID HARDENING CERAMIC ADHESIVE** 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 application is finished after leaving the recommended grout gaps for the ceramic or tile size. The gaps should be filled with **eile POMEX Joint Gap Sealants**. The grout applications should be carried out after 6 hours.

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	

Points to take into consideration

- * For **POMEX RAPID HARDENING CERAMIC ADHESIVE** application, if the ambient temperature is below +5°C or above +35°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 **POMEX RAPID HARDENING CERAMIC ADHESIVE** mixture starting to dry should not be mixed with water or new materials.



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*Very 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.

*The grout gaps larger than 6 mm should be filled with pomex rustic joint sealant.

Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. **POMEX RAPID HARDENING CERAMIC ADHESIVE** can be removed only mechanically after it hardens.

Packaging: Kraft sack of 25 kg

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.

Technical Specifications

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

Color: Grey

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

Waiting Period: 3 minutes

Application Period (pot life) (20 °C): 1 hour

Ready to be walked on within (20 °C): 6 hour

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: $\geq 15 \text{ N/mm}^2$

Tensile adhesion strength after extended open waiting period (at least 10 min later): $\geq 0.5 \text{ N/mm}^2$

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

Application Temperature : +5 °C +35 °C

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: 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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