

POMEX GRANITE ADHESIVE



Cement Based Single Component Granite and Marble Adhesive Mortar

Description

POMEX Granite Adhesive Mortar is a high performance single component adhesive mortar at a size of a special grain filling, containing chemicals increasing processing ability and product performance.

TS EN 12004 TSE C2

Areas of Usage

*Used for adhering coating materials such as granite, ceramics, natural granites, big sized ceramics, porcelain ceramics and cotto.

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

*In balconies, terraces and wet areas,

*Ceramic coating of the old granites and marbles.

It is used in the applications on indoor walls and floors, and outdoor floors.

Features of Product

*It provides strong adherence.

* It is resistant to water and frost.

* It is resistant to temperature changes.

APPLICATION PROCEDURE

Surface Preparation

The application surface should be strong, dry, bearing, dust-free, 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 as deep as 5 to 20 mm should be repaired using repair mortars **eileTH 60** or **eileTH 70** two days earlier. 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. In order to eliminate the risk of the early drying of the product, the highly absorbent surfaces such as gypsum-carton-pierre, gypsum-plaster and gas concrete should be primed with **eile PRIMER E**.

Mixing

A clean mixing bowl is filled with the necessary amount of water by means of a scale. Then, **POMEX Granite Adhesive Mortar** is slowly added. It is mixed with a low speed mixer for 3 - 5 minutes until obtaining a homogenous mixture. The mixture waits for 5 minutes and mixed again for 20-30 seconds before application.

Mixture ratios

6-7 liters of water for 25 kg powder

0.240 - 0.280 for 1 kg powder

Application Method

POMEX Granite Adhesive layer 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. While bonding the ceramics or tiles with different thickness, it is recommended to apply a 1mm mortar under each ceramic or tile to correct the roughness of the application surface. In order to enable good adhesion, ceramics or tiles must completely touch the adhesive mortar by being pressed down by a rubber hammer. The application is finished after creating the grout gaps recommended in accordance with the suitable ceramic or tile size. In order to fill the grout gaps, **POMEX** flex grout sealants should be used. The grout applications can be carried out after 24 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

Grout Gap 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 Granite 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 drying mortar should not be mixed with water or new materials.

*For the applications higher than 3 meters on the external and internal walls of the buildings, **eile POMAX 28** should be used.

*Grout applications should take place after 24 hours.

*Grout holes larger than 6 mm should be filled with Pomex Rustic Joint.

*Very porous surfaces should be primed with **eile PRIMER E** before ceramic application.

*Impermeable and bright surfaces should be primed with **eile TU 05** or eile TU O6 before application.

Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. The material can be removed only mechanically after it dries up.

Packaging

Kraft sack of 25 kg

Technical Specifications

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

Color: Grey – White

Initial tensile adhesion strength: ≥ 1.0 N/mm²

Waiting Period: 5 minutes

Application period: 180 minutes

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

Tensile adhesion strength after immersed in water: ≥ 1.0 N/mm²

Tensile adhesion strength after thermal aging: ≥ 1 ,0N/mm²

Tensile adhesion strength after freeze-thaw cycle: ≥ 1 ,0N/mm²

Bonding strength after extended open waiting period (at least 20 min later) : ≥ 1.0 N/mm²

Slipping : ≤ 0.5 mm

Application Temperature: +5°C +35°C

Serving Temperature: -40°C +80°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.

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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