

POMEX CERAMIC ADHESIVE



Cement Based Ceramic and Tile Adhesive

Description

Cement based, polymer reinforced, highly stable ceramic adhesive mortar used for adhering ceramic and tile coating materials.

TS EN 12004 TSE C1 CLASS

Areas of Usage

Bonding ceramic and tiles on;

- *Indoor walls;
 - cement based plasters,
- *Indoors floors;
 - cement based screed
 - concrete floors
- *Outdoor floors,
 - Cement based screed
 - concrete flooring,

Features of Product

- * It is perfectly adhesive.
- *It is easy to prepare and apply.
- * It does not slip in the vertical applications.
- *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 reducing adherence such as oil, grease, rust and paraffin as well as the loose parts should be removed. Rough surfaces as deep as 5-20 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.

Mixing

A clean mixing bowl is filled with the necessary amount of water by means of a scale. **eile POMEX Ceramic Adhesive Mortar** is slowly added. A homogeneous mixture is prepared by mixing it with a low speed mixer for 3 - 5 minutes. The mixture waits for 5 minutes before being mixed for another 20-30 seconds in order to get it ready for use.

Mixture Ratios

6.0-7.5 liters of water for 25 kg powder
0.240-0.300 for 1 kg powder

Application Method

Pomex Ceramic Adhesive Mortar is applied on the surface as thick as 1 mm using the flat side of the steel trowel. It is applied unidirectional using the notched side of the trowel on the surface. While adhering 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, the ceramics or tiles must completely touch the adhesive mortar by being pressed down by a rubber hammer. The application is finished after leaving the grout gaps recommended in accordance with the suitable ceramic or tile size. In order to fill the grout gaps, **POMEX** grout sealants should be used.

Consumption

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

POMEX CERAMIC ADHESIVE



Technical Specifications

Structure of the material: Mineral fillings, Special additives, cement
Color: Grey - White
Initial tensile adhesion strength: $\geq 0.5 \text{ N/mm}^2$
Waiting Period: 5 minutes
Application Period : 2 hours (pot life)
Ready to be walked on within: 24 hours (20 °C)
Tensile adhesion strength after immersed in water: $\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after thermal aging: $\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after freeze-thaw cycle: $\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after open waiting period (at least 20 min later): $\geq 0.5 \text{ N/mm}^2$
Slipping: $\leq 0.5 \text{ mm}$
Application Temperature: +5 °C +35 °C
Service 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.

Points to take into consideration

- * For **POMEX Ceramic Adhesive Mortar** 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 spreading thickness should be min 3 mm and max 6 mm.

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.

Note: **eile POMEX** reserves the right to improve/revise the product and this technical document over time. This Technical Data Sheet supersedes the former Technical Data Sheet released for this product. The user must make sure that the available technical document is the latest updated version. If necessary, our company must be contacted to inquire the updating status of the document. AUGUST 2014

* The ceramics with high water absorbency rate should be saturated with water before the application.

*The mixture starting to dry should not be mixed with water or new materials.

*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 06** before application.

*Grout applications should take place after minimum 24 hours.

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

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

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 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.