

POMEX FLEX FUGA

Cement Based Flexible Grout Sealant (1-6 mm)

Definition

It is single-component cement based smooth Grout Sealant, containing chemical additives increasing processing ability, cracking resistance, waterproofness and color permanence.

**The Ministry of Environment and Urban Planning
Pos. No:04.380/054**

Areas of Usage

It is used on outdoor floors, indoor walls and floors; Grout applications up to 6 mm of the ceramics, tiles, natural stones, marble, and granite ceramic and similar coating materials.

Features of Product

- *It is ready for use with its color options.
- *It is resistant to fading.
- *It is resistant to abrasion
- *It does not crack or bleed.
- *It is easy to apply; contains waterproof additives.
- * It is resistant to water and frost.
- *It has a long processing period.

Application Procedure

Surface Preparation

Before the grout applications, the residues such as dust, sawdust, construction cement in the grout gap should be removed without damaging the ceramic. The grout gaps especially on walls should be moisturized. Before the application of grout sealant, the adhesive must complete curing.

Mixing

A clean mixing bowl is filled with the necessary amount of water by means of a scale. **POMEX FLEX JOINT** is slowly added into the water. It is mixed with a low speed mixer for 3 - 5 minutes until obtaining a homogenous mixture. The mixture waits for 5-10 minutes in the mixing bowl and mixed again for 20-30 seconds to get it ready for use.

Mixture ratios

- 6.5-7.5 liters of water for 20 kg powder
- 3.250-3.750 liters of water for 10 kg powder
- 0. 325-0.375 for 1 kg powder

Application Method:

The prepared grout sealant is spread on the surface with transversal moves to fill the joint gaps completely. The excess on the surface should be removed using a wet sponge or a soft tipped spatula. When POMEX JOINT GAP SEALANT filed in the grout gaps dries up, the surface should be cleaned using a wet sponge with circular moves. This should take place usually after 15-30 minutes. This period is shortened when a coating material with high absorbency is used or the weather is too hot or windy. If the wiping is done too early or with a too wet sponge, the color of POMEX GROUT SEALANT might fluctuate. The sponge used for wiping should be clean.

Consumption Table:

For the ceramic sizes of 10x10 cm; 700 gr/m ² for 3 mm. grout width 950 gr/m ² for 4 mm. grout width 1500 gr/m ² for 6 mm. grout width
For the ceramic sizes of 20x20 cm; 350 gr/m ² for 3 mm. grout width 500 gr/m ² for 4 mm. grout width 700 gr/m ² for 6 mm. grout width
For the ceramic sizes of 30x30 cm; 250 gr/m ² for 3 mm. grout width 300 gr/m ² for 4 mm. grout width 500 gr/m ² for 6 mm. grout width

Points to take into consideration

- * 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.
- * Grout holes to be filled with **Pomex flex joint** should not be larger than 6 mm. The ceramics with high water absorbency rate should be saturated with water before the application.
- * The mortar starting to dry should not be mixed with water or new materials.
- *Before the application of grout sealant, the adhesive must complete curing.

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Cleaning of Tools

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

Packaging

Kraft sack of 10-20 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 : White, light grey, dark grey, cream beige

Application Temperature: +5 °C/+35 °C

Maturation Period: 5-10 min (the waiting period after mixing the material)

Stiffing period: 24 hours (20 °C)

Bending resistance: $\geq 2.5 \text{ N/mm}^2$

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

Bending resistance after freeze-thaw cycle: $\geq 2.5 \text{ N/mm}^2$

Pressure resistance after freeze-thaw cycle: $\geq 15 \text{ N/mm}^2$

Abrasion resistance: $\leq 1000 \text{ mm}^3$

Shrinkage: $\leq 3 \text{ mm/m}$

Water absorption: $\leq 2 \text{ gr (30 minutes)}$

Water absorption: $\leq 5 \text{ gr (240 minutes)}$

Application period: 60 minutes (20 °C)

Ready to be walked on within: 24-48 hours (20 °C)

The values above are valid for +23°C and for 50% relative humidity. The high temperatures shorten the period, while low ones lengthen.

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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