

# POMEX FLEX JOINT



## Cement Based Grout Sealant (1-6 mm)

### Description

Cement based, single-component flexible joint filler. Contains additives to enhance workability, crack resistance, water impermeability, and color durability.

**TS EN 13888 TSE CG1 class.**

### Areas of Usage

\*Grouting of the ceramics, wall and floor tiles and similar coating materials with joint widths between 1mm and 6mm wide.

\*Outdoor floors, indoor walls and floors.

### Features of Product

\*It is suitable for 1-6 mm surfaces.

\*It provides perfect flexibility and adherence without cracks.

\*It offers a long processing period.

## APPLICATION PROCEDURE

### Surface Preparation

Before the grout applications, the residues such as dust, sawdust, construction cement in the joint 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 GROUT** is slowly added into the mixing bowl. It is mixed with a low-speed mixer for 3 to 5 minutes until a homogeneous mixture is obtained. The mixture rests for 5-10 minutes in the mixing bowl, and mixed again for 20-30 seconds to be ready for use.

### Mixture ratios

For 20 kg powder - 6.5-7.5 liters of water

For 1 kg powder - 0.325-0.375 liters of water

## Application Method

Once the joint filler mortar reaches the application consistency, it is spread over the surface, ensuring thorough filling of the joint gaps with crosswise movements.

Excess material on the surface should be scraped off using a dampened sponge or a soft-edged spatula. The sponge used for wiping should be clean.

When **POMEX GROUT SEALANT** applied to the joint gaps dries on the surface, the surface should be cleaned with circular movements using a moist sponge. This should take place usually after 15-30 minutes. In cases where highly absorbent coating materials are used, or in hot and windy conditions, this time may be shortened.

If the wiping process is done too early, or with an overly wet sponge, color variation issues may be seen.

## Consumption Table

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

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## Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. **POMEX GROUT SEALANT** can only be mechanically removed from the surface after it has hardened.

## Important Points:

\* If the ambient and surface temperatures are below +5°C or above +35°C, suitable temperatures should be awaited. Extreme heat, rainy, or windy weather conditions should be avoided during application.

\* The joint width for using **POMEX FLEX GROUT** should not exceed 6 mm.

\* Ceramic tiles with high water absorption should be saturated with water before application.

\* Under no circumstances should water or new material be added to the mixture that has started to dry. Before applying the joint filler product, the adhesive product must have completed its curing process.

**Packaging:** 20 kg Kraft Bag

**Storage:** Unopened original packaging should be stored in a cool, dry environment, stacked no more than 10 layers high.

**Shelf Life:** Under specified storage conditions, the shelf life is 12 months from the production date.

## Technical Specifications

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

**Color :** White, light grey, dark grey, cream beige

**Waiting Period:** 5-10 minutes

**Application period:** 1 hour (20 °C) (pot life)

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

**Application Temperature:** +5 °C/+35 °C

**Hardening period:** 24 hours (20 °C)

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

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

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

**Compressive strength after freeze-thaw cycle:**  $\geq 15 \text{ N/mm}^2$

**Abrasion resistance:**  $\leq 2000 \text{ mm}^3$

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

**Water absorption:**  $\leq 5 \text{ gr ( 30 minutes )}$

**Water absorption:**  $\leq 10 \text{ gr ( 240 minutes )}$

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:** During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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**EIP-TDS-107-Pomex Flex Joint-rev0\_eng**