

# PERLA 0-8mm

Reinforced, cement-based, water-repellent and high strength tile grout. For very strong 0-8 mm joints with a smooth, uniform finish.

## Description

Watertight cement based tile grout, suitable for grouting ceramic tile, ceramic granite, glass mosaic and natural stone on any substrate, indoor or outdoor area, on walls or floors. It offers unique colour stability, unsurpassed mechanical strength and bacteriostatic properties preventing the creation of bacteria. Highly resistant to dirt and easy to clean. Provides a porcelain-like surface with superior water-repellent properties. Resistant to moisture. Its rheological properties and advanced composition allow quick filling of joints.

## Materials

All types of ceramic tiles, Grès, Porcellanato, clinker, cotto, marble-style ceramic granite, ceramic mosaic, all sizes of tiles, natural stone, marble, etc.

## Substrates

- Walls and floors
- Indoor and outdoor areas
- Residential, commercial and industrial applications
- Bathrooms, balconies, tanks, swimming pools
- Underfloor heating; etc.

## Specifications

Form: dry powder in 16 colors

Dry powder density: 1.2 kg/l

Density after mixing with water: 2kg/l

Mixing water: ≈1.6 l / 5kg bag

Mix pot life: approximately 3 hours

Application temperature: +5 °C to +35 °C

Bending resistance in 28 days:  $\geq 8.0 \text{ N/mm}^2$

Compression resistance in 28 days:  $\geq 30.0 \text{ N/mm}^2$

Resistance to freezing / thawing cycles

Flexural strength:  $\geq 7.0 \text{ N/mm}^2$

Compression:  $\geq 30.0 \text{ N/mm}^2$

Water absorption after 30 minutes:  $\leq 2,0 \text{ g}$

Water absorption after 240 minutes:  $\leq 5.0 \text{ g}$

Temperature resistance: -40 °C to +90 °C

Ready to use: after 3 days

## Substrate preparation

Apply tile grout, ensuring that the recommended waiting period before grouting - as required by the bonding agent - is met. In case cladding is fixed with mortar, leave the surface for at least 14 days before tiling grouting. After thorough drying of the tile adhesive and provided that tiles are fixed in their final positions, clean joints well prior to application. Remove foreign particles such as tile spacers, adhesive residue, dirt, etc. Possible rising moisture may cause salt deposits on the surface and variation of colour.

## Mixture preparation

The material must be prepared in a suitable container; first pouring approximately  $\frac{3}{4}$  of the required quantity of water and then gradually adding the contents of the bag, whilst stirring with an electric mixer at low speed. Then add water until a uniform mixture with the required makeup is obtained. The quantity of mixing water written on the packaging is only indicative. You may add a commensurate quantity of water for more or less thixotropic composition, depending on the intended application. Prepare all the mixtures of the same project with equal quantities of water to prevent colour variation. Caution: Adding more water than the prescribed ratio may result in colour deterioration during curing, and a reduction in the strength of the mortar.

## Instructions for use

Apply the mixture on the surface to be grouted. Spread the material in diagonal streaks, cross-wise to the joints using a rubber spatula; press into the joints to make sure that spaces are completely filled. Immediately remove rough residue with the spatula. Allow 1 to 1.5 hours to pass; the material will start drying (dulling on the tiles). Then clean tiles with a lightly damp sponge, thus finishing the surface. Then, after joints have completely cured, finish with a soft cloth to allow them to take their final form.

## Packaging

Plastic bags containing 5kg in 20kg carton boxes, 1000 kg pallets.

## Storage

In a sheltered area protected from the sun and moisture, for 12 months from the date of production and in the original sealed package.

## Highly absorbent tiles

For surfaces exposed to extreme solar radiation and during extreme summer heat or in case substrate is excessively absorbent, in order to reduce water absorption, we recommend that clearances are lightly wetted with a sponge – without saturation - before caulking. On tiles whose surface is extremely absorbent or porous, cleaning can be difficult; in such cases, trial application is recommended.

## Product specifications

Classified according to European standard EN 13888. Heavy duty cement-based tile grout in accordance with group CG2 WA

## VOC Remarks

VOC (volatile organic compound) emissions < 20 µg/m<sup>3</sup>

## Precautions and safety

The product contains cement and is classified as an irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact; etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose of in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

## Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

## Other information

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