

MOZAIKER DECOR

Mosaic render with mica flakes



MAIN ADVANTAGES

- High decorative multi-colour top coat with shiny mica
- High impact resistance
- Very high flexibility
- Easy to keep clean
- High adhesion to the substrate
- Low surface absorption and good vapour permeability
- Good resistance to adverse atmospheric conditions
- Contains UV absorbers

AREAS OF APPLICATIONS

Used for manual application of thin top coats inside and outside buildings including **KABE THERM MARMURIT / MOZAIKER** EWI system based on EPS. It is especially recommended for the decorative finishing of external walls and in rooms of heavy traffic (such as staircases, entrance halls, corridors and passageways). To be applied on mineral substrates (i.e. concrete, cement render, cement-lime render) and on substrates covered with well set polymer-based coatings. Before applying the render the substrate has to be primed with **MARMURIT GT**, while absorbent substrates also with **BUDOGRUNT ZG** or **BUDOGRUNT WG**. **Note:** Because of the product specificity, it is not recommended for applying on horizontal surfaces exposed to a long-term and direct exposure to water and precipitation such as swimming pools, wading pools or uncovered fencing walls.

TECHNICAL SPECIFICATION

Base binder: acrylic binder;

Colours: colour blends according to the confirmed sample;

Textures: solid/grained;

Grain size: ca. 0.8 mm;

Temperature of application (air and substrate): from +5°C to +25°C;

Relative humidity: ≤75%;

Average coverage: 2.7 or 4.5 kg/m² (depending on the number of layers applied);

Vapour permeability: cat. V2

Water absorption: cat. W3

Concrete substrate adhesion: ≥ 0.3 [MPa]

Packaging: Single-use plastic packaging of 15 kg of product.

Storage: The product should be stored in its original sealed packaging in a cool frost-protected room. Opened packaging should be tightly closed and used as quickly as possible.

Shelf life: Originally sealed products have a 18-month shelf life from the date of production (this is printed on the side of the packaging).

APPLICATION METHOD

SUBSTRATE PREPARATION: Apply to a sound/stable and clean substrate (without cracks and delaminations), degreased, even and dry, and biological or chemical efflorescence free. In case of algae/fungi growth, the substrate should be cleaned mechanically and then wash with water and disinfect with **ALGIZID**. Any loose layers not bound to the substrate (i.e. loose render or flaked coatings) should be removed. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. If there is any large unevenness to the substrate (from 5 to 15 mm), use levelling compound and then apply the whole surface with **KOMBI** or **KOMBI HYDRO STOP** base coat. Minor unevenness (up to 5 mm) can be levelled out at once and smoothed with **KOMBI** or **KOMBI HYDRO STOP** base coat. Absorbent substrates should be primed with **BUDOGRUNT ZG** / **BUDOGRUNT WG** before levelling compounds application. Fresh concrete substrates, cement renders and cement-lime renders may be rendered only after a 4 weeks of curing, gypsum renders after 2 weeks, while drywall systems directly after grinding and dedusting. Prior to using render in **KABE THERM MARMURIT/MOZAIKER** EWI system, all coats of EWI system should be applied in accordance with the requirements for external thermal insulation composite system (ETICS). The mosaic render can be applied onto a primed surface only when reinforcing coat is completely dry, i.e. after 3÷4 days under normal conditions.

PRIMING: On the substrates which feature high absorbency, it is necessary to apply **BUDOGRUNT ZG** primer (outside) or **BUDOGRUNT WG** primer (inside) prior to application. The substrate should be primed with **MARMURIT GT** coloured primer before applying the render. Primer should be dry before applying a finish coat, curing period lasts about 24 hours. To reduce the risk of the substrate colour showing through the top coat, it is recommended to use a primer that is of the same colour as the melange mosaic render.

PRODUCT PREPARATION: The packaging contains a ready-to-use product. Before application, the product should be thoroughly mixed with a low-speed mixer fitted with a clean stirrer made of stainless steel until homogeneous consistency is obtained. The mixing time should not exceed 1 minute.

Note: Too long and too intensive mixing is not recommended, as it may result in grinding large mica flakes and permanent deterioration of the renders aesthetics.

APPLICATION METHOD: Mosaic render should be applied onto the substrate in a thin, levelled layer (from the bottom to the top) at a thickness of 2 ÷ 3 mm, with the use of a stainless steel trowel. After initial drying, the product applied to the substrate should be rub with a plastic trowel. Using a stainless steel trowel smooth the applied render after drying. The layer applied to be even and cover the substrate completely without any hollows or bulges. **Note:** If the applied layer of render is too thin, it may lead to formation of cracks on the surface what has a negative impact on its aesthetics and durability.

In order to reduce the risk of abrasions and increase the render's resistance to atmospheric conditions, we recommend applying the render in two thin layers. The second layer should be applied after the first layer is dry. After initial drying, the product applied to the substrate should be rub with a plastic trowel. Using a stainless steel trowel smooth the applied render after drying. The layer applied to be even and cover the substrate completely without any hollows or bulges.

DRYING: Typical drying time ca. 24 h (20°C, 55% RH). **Note:** Drying time may be longer, even up to a few days due to low temperatures and high relative humidity. To assist the drying of the finish coat, the surface should be protected against precipitation and condensation, until the render is completely hardened. In order to increase render resistance to atmospheric conditions, it is recommended completely dry render cover with **MARCHRON** impregnat.

USEFUL HINTS: The final effect may depend on the substrate type. For non-uniform substrates, it is recommended to apply at first the whole surface with **KOMBI** or **KOMBI HYDRO STOP** base coat. To avoid colour differences, a single batch product should be used on a single application / architectural element. 'Wet on wet' method should be used. The render contains mica flakes which, due to their natural origin, may vary in size and shape. All tools should be cleaned with water after work is completed. To be applied on dry days at temperatures between 5-25°C. Avoid applying in direct sunlight or during strong winds. To protect the still wet top coat against inclement weather conditions, scaffolding should be covered with a protective netting or tarpaulins.