

# MOZAIKER DECOR

Mosaic render with mica flakes



## MAIN ADVANTAGES

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

## AREAS OF APPLICATION

To be used as manually applied thin-coat render for external and internal use, including in **KABE THERM MARMURIT / MOZAIKER** EPS-based EWI system and in the **KABE THERM MW** EWI system based on mineral wool. It is especially recommended for the decorative finishing of façade walls and in rooms with heavy traffic (such as staircases, entrance halls, corridors and passageways). Intended for use on mineral substrates (e.g., concrete, cement, cement-lime render) and on substrates covered with a well-bonded plastic-based paint coating. Before applying the render, the substrate has to be primed with **MARMURIT GT**, while absorbent substrates also with **BUDOGRUNT ZG / BUDOGRUNT WG**.

**Note:** Due to the product specificity, it is not recommended for applying on horizontal surfaces exposed to long-term and direct exposure to water and precipitation, such as on swimming pools, wading pools or uncovered fencing walls.

## TECHNICAL DATA

**Base binder:** acrylic binder;

**Colours:** colour blends as per sample provided;

**Textures:** solid;

**Grain size:** approx. 0.8 mm;

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

**Relative air humidity:** ≤ 75%;

**Vapour permeability:** cat. V2

**Water absorption:** cat. W3

**Adhesion to concrete substrate:** ≥ 0.30 MPa

**Packaging:** Disposable plastic packaging holding 15 kg of the product.

**Storage:** Product should be stored in original sealed packaging, in a cool room, but protected from frost. Opened packaging should be tightly closed and used as quickly as possible.

**Shelf life:** 18 months from the date of production printed on the packaging, with originally sealed packaging.

Colour designation of Mozaiker Decor render	Min. render coverage when applied in two layers kg/m <sup>2</sup>
RUTYL	3.5
LAWA	3.0
ANTRACYT	3.0
KARBON	1.9
AGAT	2.7
TALK	2.2

BARYT	3.1
HALIT	3.5
BAZALT	2.4
KOBALT	3.1
TOR	3.3
BOKSYT	3.8
JASPIS ZIELONY	3.6
AMONIT	3.4
JURA	3.5
BURSZTYN	3.8
PERLIT	3.7
KRZEMIEŃ	3.8
VULCANO	2.4
GABRO	3.8

## HOW TO USE

**SUBSTRATE PREPARATION:** Substrate should be sound/stable (without scratches and cracks), degreased, even and dry, as well as free of biological contamination and chemical efflorescence. In case of algae/fungi growth, the substrate should be cleaned mechanically and then washed with water and disinfected with **ALGIZID**. Any loose layers, not bound to the substrate (e.g., loose render or flaked coatings), should be removed. Old and/or dirty substrates should be washed and degreased with water and **CLEANFORCE** cleaning agent. For particularly uneven substrates (from 5 mm to 15 mm), first use filling compounds and then level out the wall surface with **KOMBI** or **KOMBI HYDRO STOP** adhesive/base coat. Minor unevenness (up to 5 mm) can be levelled out and smoothed straight away with **KOMBI** or **KOMBI HYDRO STOP** adhesive/base coat. An absorbent substrate should be primed with **BUDOGRUNT ZG / BUDOGRUNT WG** before applying levelling compounds or base coats. Fresh concrete substrates, cement and cement-lime renders can only be plastered after min. a 4-week curing period, gypsum renders after 2 weeks, while drywall systems directly after grinding and dedusting. Before using the render in the **KABE THERM MARMURIT / MOZAIKER** EWI system, all base coats of EWI systems should be applied in accordance with the requirements for external thermal insulation composite system (ETICS). Before applying the mosaic render, the primed reinforcing layer has to be fully set. This can take 3-4 days in typical weather conditions.

**PRIMING:** On highly absorbent substrates, **BUDOGRUNT ZG** primer should be applied first (outdoors) or **BUDOGRUNT WG** (indoors). The substrate should be primed with coloured **MARMURIT GT** primer before applying the render. The curing period of the product applied to the substrate before applying the render is about 24 hours. To reduce the risk of the substrate colour showing through the top coat, it is recommended to use a primer coloured to match the colour of the blend of the mosaic render.

**PRODUCT PREPARATION:** The packaging contains a ready-to-use product. Before application, the product should be gently mixed with a low-speed mixer/drill fitted with a clean stainless steel stirrer, until a 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 coat aesthetics.

**APPLICATION:** Mosaic render should be applied onto the substrate in a thin, uniform layer (from the bottom to the top) at a thickness of 2-3 mm, with a stainless steel trowel. After initial drying, the product applied to the substrate should be rubbed with a plastic trowel. Once dried, use a stainless steel trowel to smooth the applied render. The layer applied should 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, which has a negative impact on its aesthetics and durability.

In order to reduce the risk of abrasions and increase the render resistance to weather conditions, we recommend applying the render in two thin layers. The second layer should be applied once the first layer is dry. After initial drying, the render applied to the substrate should be rubbed with a plastic trowel. Once dried, use a stainless steel trowel to smooth the applied render. The layer applied should be even and cover the substrate completely, without any hollows or bulges.

**DRYING:** Typical drying time of the render applied to the substrate is approx. 24 h (at +20°C, 55% RH). Note: Drying time may be longer, up to several days, due to low temperatures and high relative humidity. The newly applied render should be protected against precipitation and condensation until it is fully hardened. In order to increase render resistance to weather conditions, it is recommended to cover the completely dry render with **MARCHRON** impregnation agent.

**USEFUL HINTS:** The final effect may depend on the substrate type. Therefore, for heterogeneous substrates, it is recommended to first smooth out the entire surface with **KOMBI** or **KOMBI HYDRO STOP** adhesive/base coat. In order to avoid colour differences, it is necessary to create a surface constituting a separate architectural whole in one work cycle with material from the same production batch, using the "wet on wet" method. The render contains mica flakes, which, due to their natural origin, may vary in size and shape. Tools should be cleaned with water immediately after work is completed. The render should be applied and dried on dry days at air temperatures from +5°C to +25°C. Avoid applying in direct sunlight or during strong winds. In order to protect the undried render against severe weather conditions, it is recommended to use appropriate protective meshes or tarpaulins on scaffolds.