

## MOSAIC

# MOZAIKER AKORD COLORATO

The system of composing of mosaic spraying render based on coloured quartz aggregate



## MAIN ADVANTAGES

- High decorative values of multi-colour render with glittering mica;
- Ready-to-use dyed quartz-based colour composition;
- A quick process for preparing a ready colour blend in the COLORATO system;
- Possibility of also creating own colour compositions;
- Quick and easy to apply using AKORD sprayer application method;
- High adhesion to the substrate;
- High resistance to abrasion and mechanical damage;
- Low surface absorption and good vapour permeability;
- High resistance to adverse weather conditions.

## AREAS OF APPLICATION

The **MOZAIKER AKORD COLORATO** render is a two- or three-component binder composition based on acrylic resins and coloured quartz aggregate with a grain size ranging from 0.2 to 0.8 mm and an optional addition of mica (depending on the selected blend). The binder is supplied in a tightly closed container with thoroughly measured portions of aggregate in the colours conforming to the Manufacturer's catalogue. The render is formed by mixing selected aggregates and optional mica addition with binder in appropriate portions according to the recipe provided. The **MOZAIKER AKORD COLORATO** render is used for spray application of thin-coat renders inside and outside buildings, including in the **KABE THERM MARMURIT COLORATO / MOZAIKER COLORATO** EPS-based EWI systems. It is especially recommended for the decorative finishing of walls in heavy traffic rooms (such as staircases, entrance halls, corridors and passageways), as well as walls and architectural elements to be found on the façades of buildings (i.e., pedestals, pilasters, cornices). 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** product, dyed to match the mosaic blend colour, while absorbent substrates also with **BUDOGRUNT ZG** or **BUDOGRUNT WG** products. **Note:** Because of product specific properties, it is not recommended to apply it on substrates exposed to long-term and direct water contact. **Note:** Before composing the mixture, check the numbers of individual batches of aggregate / component B. Do not mix batches of aggregate with different numbers intended for the same surface (if necessary, mix/uniform them beforehand!)

## TECHNICAL DATA

**Base binder:** acrylic binder;  
**Colours:** colour blends per the **MOZAIKER AKORD COLORATO** collection colour chart of Farby Kabe;  
**Textures:** solid;  
**Grain size:** to 0.8 mm;  
**Temperature of application (air and substrate):** from +5°C to +25°C;  
**Relative air humidity:** ≤ 75%;  
**Min. coverage:** 2.6 kg/m<sup>2</sup>  
**Vapour permeability:** cat. V2  
**Water absorption:** cat. W3  
**Adhesion to concrete substrate:** ≥ 0.3 [MPa]

**Thermal conductivity  $\lambda_{10, dry}$ :** 0.76 [W/m x K]

**Reaction to fire:** class C

**Packaging:** Single-use plastic packaging of 13.74 kg ready-to-use product is obtained by mixing: component A – 4.68 kg of binder and component B containing 6 bags of aggregate, 1.51 kg each, and optional component C – mica (depending on the chosen colour blend).

**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:** 3 months from the date of the blend preparation (however not more than 18 months from the manufacturing date of component A – binder).

## HOW TO USE

**SUBSTRATE PREPARATION:** Substrate should be sound/stable (without scratches and cracks), degreased, even and dry, and free of biological contamination or 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 COLORATO / MOZAIKER COLORATO** 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). Before applying the render, prime the substrate with **MARMURIT GT** primer, dyed to match the colour of the mosaic. The curing period of the product applied to the substrate before applying the render is about 24 hours.

**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 basket stirrer, for 30 to 60 seconds, until a smooth, homogeneous consistency is obtained. Further mixing is not recommended, as it may result in permanent deterioration of the coat aesthetics.

**APPLICATION:** The mosaic render compound should be applied with a thin, uniform layer onto the substrate by using a pneumatic sprayer at a working pressure of 3-4 atmospheres and with a nozzle diameter of 5-6 mm. While spraying, the gun should be held perpendicularly to the substrate at a distance of 0.4-0.6 m. 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.

**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.

**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 aggregate batch, using the "wet on wet" method. Tools should be cleaned with water immediately after work is completed. The render should be applied and dried on dry and windless 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.

\* if the product is used in an EWI system, the manufacturer provides a warranty only when all **KABE THERM MARMURIT COLORATO / MOZAIKER COLORATO** system components are used.