

MOSAIC

MARMURIT
COLORATO

The system of composing mosaic render blends based on coloured, broken marble aggregate



MAIN ADVANTAGES

- Quick product preparation
- Wide range of blends
- High decorative value of multi-colour top coat
- High resistance to abrasion and impact resistance
- Possibility of creating own colour compositions
- Contains UV absorbers

AREAS OF APPLICATION

The **MARMURIT COLORATO** render is a two-component composition of binder based on acrylic resins and coloured aggregate with a grain size of 1.0 and 1.5 mm. 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 means of mixing selected aggregates with binder in appropriate portions according to the recipe provided. The **MARMURIT COLORATO** render is to be used as manually applied thin-coat render for external and internal use, including in **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 architectural elements to be found on the façades of buildings (i.e., pedestals, pilasters, cornices). The product can be applied in residential and public utility buildings, as well as educational, boarding and health service facilities. 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 should be primed also with **BUDOGRUNT ZG** or **BUDOGRUNT WG**.

Note: Due to the product specificity, it is not recommended for applying on surfaces exposed to long-term and direct exposure to water and precipitation, such as on swimming pools, wading pools or uncovered fencing walls. Before composing a blend, check the numbers of the batches of aggregate (component B). Do not mix different batches of aggregate for the same surface (if necessary, mix them beforehand, make them uniform)!

TECHNICAL DATA

Base binder: acrylic binder;
Colours: colour blends per the **MARMURIT COLORATO** collection colour chart of Farby Kabe;
Textures: solid;
Grain size: 1.0 mm; 1.5 mm;
Temperature of application (air and substrate): from +5°C to +25°C;
Relative air humidity: ≤ 75%;
Vapour permeability: $S_v = 0.61$ m (cat. V2);
Water absorption: $w = 0.05$ kg/m²·h^{0.5} (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 with consumption < 3.5 kg/m²
 class F with consumption ≥ 3.5 kg/m²

Packaging: Single-use plastic packaging of ready-to-use 15 kg product is obtained by mixing: component A – 4.12 kg of binder and component B – 8 bags of aggregate, 1.36 kg each.
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).

Min. coverage (kg/m²):

Texture	Grain size (mm)	
	1.0	1.5
SOLID	2.5	4.0

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

APPLICATION: Mosaic render should be applied on the substrate (from the bottom to the top) in the form of a thin levelled layer with a stainless steel trowel. Then, the product applied on the substrate should be gently smoothed out with a stainless steel trowel. The layer applied should be even and cover the substrate completely, without any hollows or bulges. **Note:** It is not allowed to rub the product applied on the substrate. 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. After applying the render, the rooms should be ventilated for 2 weeks; only after this period can full use of these rooms be commenced.

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. 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 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.