

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 APPLICATIONS

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 pursuant to the recipe. **MARMURIT COLORATO** render is used for manual application of thin top coats inside and outside buildings including **KABE THERM MARMURIT COLORATO / MOZAIKER COLORATO** EWI system based on EPS. It is especially recommended for the decorative finishing of walls in rooms of heavy traffic (such as staircases, entrance halls, corridors and passageways) as well as architectural elements to be found on the facades of buildings (i.e. pedestals, pilasters, cornices). The product may be applied in housing and public utility buildings as well as educational, boarding facilities and health service facilities. 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 surfaces exposed to a long-term and direct exposure to water and precipitation such as swimming pools, wading pools or uncovered fencing walls. Before composing the melange, 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 SPECIFICATION

Base binder: acrylic binder;
Colours: colour blends per the colour scheme of Farby Kabe **MARMURIT COLORATO** collection;
Textures: solid/grained;
Grain size: 1.0 mm; 1.5 mm;
Temperature of application (air and substrate): from +5°C to +25°C;
Relative 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 λ10 dry: 0.76 [W / m x K]
Reaction to fire: class C with consumption <3.5 kg / m²
 class F with a consumption of ≥3.5 kg / m²

Packaging: Single-use plastic packaging of 15 kg is obtained from: component A — 4.12 kg of binder, component B — 1.36 kg x 8 bags of aggregate.
Storage: The product should be stored in its original sealed packaging in a cool frost-protected room. After opening and using some of the contents, the packaging should be used up as soon as possible.
Shelf life: 3 months from the date of the blend preparation (however not more than 18 months from the date of component A — binder).

Minimal coverage (kg/m²):

Texture	Grain size (mm)	
		1.0
SOLID/GRAINED	2.5	4.0

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) even a wall with 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 smoothened 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, plasters after 2 weeks, while drywall systems directly after grinding and dedusting. Prior to using render in **KABE THERM MARMURIT COLORATO / MOZAIKER COLORATO** 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 absorption, it is recommended to apply **BUDOGRUNT ZG** primer (outside) or **BUDOGRUNT WG** primer (inside) in advance. 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 basket stirrer until a smooth, homogenous consistency is obtained, from 30 to 60 seconds. Further mixing is not recommended as it may result in durable deterioration of the product aesthetics.

APPLICATION METHOD: Mosaic render should be applied on the substrate (from the bottom to the top) in the form of a thin levelled layer with the use of a stainless steel trowel. Using a stainless steel trowel, the product applied on the substrate should be gently levelled. 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 an excessively thin layer of render is applied, it may lead to formation of cracks on the surface, which has a negative impact on its aesthetics and durability.

DRYING: Typical drying time ca. 24 h (20°C, 55% RH). **Note:** The drying time may be longer 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. After applying the render, the rooms should be aired for the period of 2 weeks; only after the end of this period, they may be fully used.

USEFUL HINTS: The final effect may depend on the substrate type. This is why for non-uniform substrates, it is recommended to apply the whole surface with **KOMBI** or **KOMBI HYDRO STOP** base coat in advance. To avoid colour differences, a single batch product should be used on a single application / architectural element. "Wet on wet" method should be used. 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.

* if a product of EWI system is used, the manufacturer provides a guarantee only when the whole **KABE THERM MARMURIT COLORATO/MOZAIKER COLORATO** system is implemented.