

KAPASIL

Silicon-based hydrophobic render for façade final coat

Description

Ready for use, silicon-based hydrophobic and self-cleaning elastic, organic render ready for use in an infinite number of color options. KAPASIL render offers extremely high resistance to water and moisture penetration, excellent adhesion to all kind of substrates, is very elastic and resistive to crack due to sun exposure. It has excellent resistance to dirt, algae and bacteria and it's permeability to vapors allows the structure's breathability, therefore making it ideal as a final coat in ETICS systems.

Application examples

Ideal as a final coat plaster of THERMOKAPA external thermal insulation system. It can be applied on any kind of substrate to name a few: External thermal insulation systems, Concrete, Plaster, Cement boards, Gypsum boards, Painted surfaces, silicone paints, silicate paints, acrylic paints, Surfaces made of cement fiber mixtures, MDF, cement etc. of plaster and paint. Ideal for both indoor and outdoor applications.

Advantages

- Highly elastic minimizing the effect of cracking.
- Low water permeability
- High vapor permeability
- Self-cleaning
- Resistive to algae and bacteria.
- Excellent behavior to all weather conditions and in ultraviolet radiation
- Color stability
- Very good workability

Technical Characteristics

Form: Acrylic paste

Available granulometries: 1.0 - 1.5 mm

Colour: 1.000 BAUER colour chart

Density: 1,80 ± 0,03 Kg/L

Water permeability: W3

Coefficient of thermal conductivity (λ): 0,7 W/m K

Reaction to fire: Class C

Maintenance

The plaster can be cleaned with water using a common household cleaner. If a steam engine is used, the following apply:

Water pressure: 30-40 bar

Water temperature: up to 30 °C

Distance from the mouth: 30-50 cm

Substrate surface preparation

Ensure flat and stable surfaces. Remove any loose materials, detached parts, dirt, oils and dust. Before applying the material, prime with BAUER PRO 101 to increase adhesion. This way a uniform drying is achieved and at the same time a uniform color on the entire surface of the plaster is achieved.

Mixture preparation

It is ready for use and requires stirring within the can until the mixture is uniform.

User Instructions

1. Application by hand.

Apply the render with a plastic or stainless steel spatula. The final layer coat is done with a plastic spatula or any other tool e.g. brush, trowel, roller, etc. When applying, make sure to avoid cavities. Make sure to thoroughly clean the application tools before use, in order to avoid the formation of spots on the surface.

2. Application with a render machine.

KAPASIL render can be sprayed with a render sprayer. The application technique and tools to be used can offer a great variety in the final surface. It is not recommended to apply on days with intense sunlight (temperature higher than 35 ° C) or rainfall and days when the temperature is expected to drop below zero. After use, remove material residue from the tools with water while it is still fresh or by other methods such as rubbing or scraping if it has dried.

Curing time

Curing time depends on the ambient temperature and relative humidity. Indicatively at 20°C and with a relative humidity of 65% the time needed to dry on the surface is 6 hr, while complete drying can be achieved in about 14 days. Curing time is extended during lower temperatures and / or higher relative humidity.

Maintenance

Plaster can be cleaned with water, using common household cleaning solutions. In case of using steam cleaners, the following conditions must be kept:

Water pressure: 30-40 bar

Water temperature: up to 30 °C

Distance from the spout: 30-50cm

Product Specifications

Kapasil is an external render based in organic binders in accordance to EN 15824.

Consumption

KAPASIL 1mm = 1.8 Kg/m²

KAPASIL 1.5mm = 2.7 Kg/m²

KAPASIL 2.0mm = 3.6 Kg/m²

Packaging

Plastic cans of 25kg.

Storage

In dry and sheltered areas, protected from moisture and direct exposure to the sun and ice, for at least 12 months from the date of production. For more information on handling, storing and disposing of KAPASIL plastic can, see the European Union safety leaflet for professional applicators. The product's pot life in the container is theoretically unlimited. Containers that have been opened and closed again carefully can be reused after many months.

Notes

Technical data, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. Given that in each case of application, the use of the materials and the conditions of the project as well as the overall environment, cannot be controlled by the company, the sole responsibility for the result lies with the end user of the product. No liability under any legal relationship can be established against the company, based on the information listed within this document. The present edition of this Technical Data Sheet automatically cancels any previous editions. The end user of the products should always refer to the latest Technical Data Sheet version, available at the product's official website.

Other information

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