

# BAU C21 SILIC

## Silicon-based hydrophobic render for façade final coat

### Description

Ready for use, silicon-based hydrophobic and selfcleaning elastic, organic render ready for use in an infinite number of color options. BAU C21 SILIC 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 its 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 BAUSKIN 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

### Substrate surface preparation

Ensure flat and stable surfaces. Remove any loose materials, detached parts, dirt, oils and dust. Before applying the material, prime with BAU PR1 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

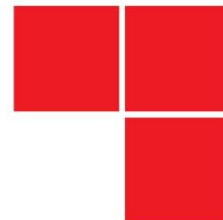
#### Distance from the spout:

30-50cm

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### Technical Characteristics

Form: Acrylic paste
Available granulometries: 1.0 mm, 1.2mm, 1.5 mm, 2.0mm
Colour: 1.000 color chart <b>BAUSKIN</b>
Density: 1,80 ± 0,03 kg/lit
Water permeability: W3 EN 1062-3
Coefficient of thermal conductivity: $\lambda=0,7 \text{ w/(m.k)}$ . EN 1745
Reaction to fire: Class C

### Consumption

Type Consumption
BAU C21 1.0mm F $\approx 1.8 \text{ kg/m}^2$
BAU C21 1.2mm F $\approx 2.25 \text{ kg/m}^2$
BAU C21 1.5mm F $\approx 2.8 \text{ kg/m}^2$
BAU C21 2.0mm R $\approx 3.6 \text{ kg/m}^2$

### Product specifications

Waterproof plaster **BAU C21 SILIC** is a certified organic plastering for exterior application, according to standard EN 15824.

### Packaging

25 kg plastic cans

### Notes

The ready for use product BAU C21 presents a maximum volatile organic content < 20 gr/l, a value that conforms to Directive 2004/42/EC.

Frankfurt, Reg. No 312310 QM  
Qualitätsmanagementsystem  
Zertifiziert nach DIN EN ISO 9001

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### Storage

Preferably in shady and roofed locations, low in moisture. Protected against ice, high temperature and exposure to sunlight for at least 12 months. The material's pot life is theoretically unlimited. Containers opened and reclosed may be reused after several months.

### Precautions and safety

The product contains cement and is classified as an irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact, etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose of in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

### Notes

Technical details, properties, recommendations and information on BAUSKIN 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. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available

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