



StoSilco® blue

Based on natural principles –
without biocide film protection

In addition to an attractive appearance, building owners are placing increasing importance on eco-friendly construction materials that do not pose a health risk. In the silicone resin finishing render StoSilco blue®, Sto has developed a sustainable solution to improve surface action in the areas of water management and reduced bioavailability.

StoSilco® blue inhibits microorganisms from settling by means of natural operating principles, without compromising the impressive product and application properties of a genuine silicone resin render.

As a climate-neutral render, StoSilco® blue is completely free of solvents, film protection agents, and mineral oils. It stands for an eco-friendly and sustainable way of construction.

StoSilco® blue

Sustainably protects the facade

StoSilco® blue protects against algae and fungi using natural operating principles. The way it prevents and delays microorganisms from growing is based on physical processes (water management) as well as on aspects of bioavailability. This effect cannot be depleted (see figure).

StoSilco® blue effectively combines these two principles. Thanks to its extremely low water permeability, the silicone resin technology keeps deeper layers and the wall structure dry, and simultaneously supports the surface in drying off. The render also uses natural protection to combat the second aspect – bioavailability – because the selected raw materials used in the render offer scarce nutrients. Its maximum resistance to soiling also makes it difficult for nutrients from an external source to adhere to the facade.

Dry – natural – durable

StoSilco® blue is highly water-repellent but still features excellent permeability for CO₂ and water vapour. The highly weather-resistant finishing render is applied with a square trowel or sprayed on wet. It is tintable in selected colour shades in accordance with the StoColor System. StoSilco® blue is available as stippled render and as free-style textured render. It is non-combustible and free from solvents, plasticisers, and mineral oils (C10-C40).



StoSilco® blue meets the requirement of RAL-UZ 140 and is therefore certified with the "Blue Angel" eco-label in the course of StoTherm Mineral, StoTherm Mineral L, and StoTherm Classic® S1.

Head office

Sto SE & Co. KGaA

Market Development

Ehrenbachstrasse 1
79780 Stuehlingen
Germany

Phone +49 7744 57-1131
Fax +49 7744 57-2428
infoservice@sto.com
www.sto.com



Natural protection against algae and fungi

Water management:

- Absorbs as little water as possible
- Does not store water
- Water runs off quickly
- Rapid drying, leading to substantial reduction of algae and fungi

Bioavailability:

- Use of selected raw materials
- Low availability of nutrients and maximum resistance to soiling leave no basis for the growth of microorganisms.

All benefits at a glance

- Without biocide film protection
- Natural, long-lasting operating principle
- Non-combustible in accordance with EN 13501 (building material class A2)
- Free from solvents, plasticisers, and mineral oils (C10-C40)
- Highly water vapour permeable
- Low water permeability (W3 low in accordance with DIN EN 1062-3)
- No additional paint coat required
- Maximum resistance to soiling
- Meets the very highest requirements for sustainable construction – e.g. in accordance with DGNB (German Sustainable Building Council) and LEED

The concrete technical specifications and information on the products contained in the Technical Data Sheets and system descriptions/approvals must be observed.