



Baunit SilikatColor

Silicate-based façade paint

Benefits

- **Breathable**
- **Mineral based**
- **Specialised for renovation**



Product Overview

Ready-to-use, mineral silicate-based facade paint.

Composition

Binders, mineral fillers, silicates, pigments, additives, water.

Properties

- Mineral, low stress drying
- Does not produce a film
- Weather-resistant, water repellent, high vapour and CO₂ permeability
- Low dirt build-up
- Not flammable
- Easy to apply.

Application

Use:
Protection and design of facades over old and new mineral renders, putties, on concrete and for renovation inc. Listed buildings.

Technical Data

Product	
Gross density:	app. 1.6 kg/dm ³
μ-value:	app. 40 - 60

Variant(s)	SilikatColor 14L	SilikatColor 5L
Consumption	app. 0.2 l/m ² per coat inc. primer	app. 0.2 l/m ² per coat inc. primer

Delivery Format

14L bucket, 1 pallet = 32 buckets = 448 L
5L bucket, 1 pallet = 64 buckets = 320L

Storage

Up to 12 months if kept cool, frost-free, dry and closed.

Substrate

The substrate should be clean, dry, frost-free, dust-free, absorbent, free from bubbles or loose particles and load-bearing.

Suitable for:

- Lime/cement and rubbed cementitious renders
- Concrete and other mineralic substrates
- Well adhered mineralic and dispersion paint and renders

Conditionally suitable for (do a test patch):

- Lime rendered and painted surfaces (be aware of carbonation)

Not suitable for:

- Plastics, varnished, oily or glued surfaces
- To stop carbonation in concrete repair
- Wood and metal
- Highly elastic dispersion paints

- Substrate pre-treatment**
- Equalise strongly or unequally absorbent surfaces with Baunit MultiPrimer/SanovaPrimer
 - Fix chalky or sandy surfaces with Baunit SanovaPrimer (refer to that product datasheet)
 - Remove shale oil deposits from concrete with hot steam or shale oil remover or through grinding
 - Clean dirty surfaces with ReClean
 - Treat algae and mildew affected substrates with special fluid (eg Baunit FungoFluid).
 - Remove badly adhered, weathered coats of paint.
 - Cover damaged or cracked mineralic surfaces with a basecoat (eg. Baunit StarContact) and reinforce with Baunit StarTex.

Processing

Stir Baunit SilikatColor thoroughly on a slow running stirring machine. Dilute Baunit SilikatColor with a max. 10 -15 % water to produce a suitable application consistency and prime the whole substrate (leave to dry for a minimum of 12 hours).

Weather dependent, but at least 12 hours after priming, apply either 1 or 2 coats of Baunit SilikatColor, substrate dependent. The application consistency can also be achieved with a lesser quantity of water. If applying 2 coats, leave at least 4 hours drying time between coats.

Do not mix with other paint. Baunit SilikatColor can be rolled, brushed or sprayed with a suitable airless sprayer. Work evenly and without taking a break.

Substrate preparation as per guidelines:

1 x Baunit SilikatColor diluted with max. 10 - 15 % clean water (apply to whole surface)

1-2 x Baunit SilikatColor (max. 5 % dilutable)

The dilution level is dependent on the delivered consistency and the absorption level of the substrate.

Notes and General Information

The air, material and substrate temperature must be a minimum of +8 C during application and the setting process.

Weather protection: protect the facade from direct sunlight, rain and strong wind (e.g. scaffold net). High air humidity and/or low temperatures (eg late autumn) can significantly extend the drying time and change the colour shade achieved. High temperatures in summer shorten the drying time (it is possible to burn the coating).

Colour tone: The colour tone can be affected by the condition of the substrate, temperature and air humidity. Above all, facade elements (scaffold shadows), differences in the substrate (texture, absorbency) and different weathering conditions produce differences in colour (patches). Colour uniformity can only be guaranteed within the same batch. If material from different batch orders is used, first mix well together. Mechanical effects on the finish render can cause colour variations in those places (fillers). These colour variations do not affect the functionality or the product quality..

Light reflectancy value: The light reflectancy value should not be below 25 when using on an external wall insulation system.

Microbial attack: Facade paints contain bases to protect against build up of algae and mildew. Thus a preventative and delayed effect is achieved. Where a project has critical environmental conditions (eg. more than average moisture load, rain, proximity to waters, greenery, on the edge of a wood, plants growing near to a house etc.), we recommend increasing the resistance. We cannot guarantee a lasting prevention of algae and/or mildew. Take every precautionary measure to avoid this build up.

Safety measures: see safety datasheet.

Cleaning tips: Protect eyes and skin, as well as the surroundings, in particular glass, ceramic, tiles, natural stone, varnish and metal. If necessary, wash out with lots of water. Do not wait for the product to dry before removal. Clean tools with water immediately after use.

Written and oral application technology recommendations provided by us to assist the seller/processor are based on our experience and reflect the current state of the art in science and practical application know-how. However, it is understood that these recommendations are non-binding. They do not create any legal relationship or any ancillary obligations in connection with the sale contract. They do not release the buyer from its obligation to verify the suitability to our products for the intended purpose or use by itself.