

BEECK Base V

Thinning agent, primer and base for tinted silicate paints and glazes

BEECK ASF®
Aktiv Silikat Formulierung

1. Product Properties

Thickened potassium water glass with low organic content to VOB/DIN 18363

2.4.1. BEECK Base V provides enhanced processing properties of tinted one-pack silicate paints and glazes. A uniform coating finish without any imperfections is enabled. BEECK Base V stabilizes pigmented one-pack silicate paints and provides optimally application consistence. Further use as a universal primer and hardener for porous absorbent substrates in interior and exterior, also as a thinner in the BEECK Concrete/Stone Glaze system.

1.1. Composition

- Pure mineral potassium water glass
- Wetting and adhesion facilitating additives
- Organic content < 5% (VOB/C DIN 18363 2.4.1.)
- Free from solvents, low VOC content

1.2. Technical properties

1.2.1. Overview

- For use on interior surfaces and façades
- High silicification activity (ASF®), hardening without film-forming
- Improves levelling and processing properties
- Thinner and primer for e.g. BEECK Concrete/Stone Glaze
- The product's natural alkalinity helps to prevent bacteria, algae and mould

1.2.2. Important building physics characteristics

Parameter	Value	Conformity
Density 20°C:	1.15 kg / L	
pH value 20°C:	11	
Dynamic viscosity 20°C:	< 500 mPas	
W ₂₄ value:	> 1.00 kg / (m ² h ^{1/2})	
s _d value (H ₂ O):	0.01 m	
Flammability class:	A2 nonflammable	EN 13501-1, DIN 4102
VOC content (max.):	2 g / L	ChemVOCFarbV Cat. A / a

1.2.3. Colour

- Milky when wet.

2. Use

2.1. Substrate requirements

- See Technical data sheet of the product used for. The substrate must be clean, dry, firm and stable and must be free from efflorescent and separating substances.

2.4. Application instructions

2.4.1. General information

See Technical data sheet of the product used for.

- Carefully cover surfaces which are not to be treated – especially glass, ceramics, window sills, expansion joints, lacquer and anodic coatings – and protect them from splashes. Provide personal protective equipment.

2.4.2. Application

- **Use as addition for tinted one-pack BEECK silicate paints:**

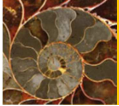
Use BEECK Base V when tinting one-pack BEECK silicate paints. Add 5 % - 10 % to the silicate paint to be tinted. Add only 5 % when tinting colour tones of a poor hiding power (e.g. LV > 70, and/or a high content of Lemon Yellow or Ultra Blue). Add up to 10 % when tinting earthy colour tones of a medium lightness and good coverage (LV 20 – 70). Stir in BEECK Base V into the white charge before adding tinting paste. BEECK Base V is smoothly mixed in with common rotary stirrer, mixer or shaker and provides a perfect application consistence when optimally dosed.

- **Use as a thinning agent for BEECK Concrete/Stone Glaze:**

Thin 1 part BEECK Base V with 1 part water and add this mixture to BEECK Concrete/Stone Glaze until a desirable glazing effect is achieved. Try out on a test area. Common mixtures are 1:5 – 1:20, see Technical Data Sheet of BEECK Concrete/Stone Glaze.

- **Use as a primer, stopper and hardener on porous surfaces:**

Depending on substrate, thin BEECK Base V 1:1 - 1:3 with water and apply by brush. Saturate substrate well but level out any excessive primer by brush. Prime strongly absorbent areas wet-in-wet until saturation, but level out



BEECK Base V

any excess. Always make samples before applying on weak or critical surfaces like clay, including desired top coat.

3. Application Rate and Container Sizes

The quantity required is mainly depending on the mixing ratio and kind of substrate. Try out on a test area on site to determine exact application rates. For glazing techniques, it is up to approx. 0.05 L BEECK Base V per m² and glaze coat. Application rate when used as a primer approx. 0.03 L - 0.05 L per m². As an addition for silicate paints use 5 % - 10 % of total batch.

Container sizes: 1 L / 5 L / 10 L

4. Cleaning

Thoroughly clean equipment, tools and soiled clothing with water immediately after use.

5. Storage

Stored cool and frost-free, BEECK Base V can be kept for at least 12 months. When mixed into silicate paints, BEECK Base V has no influence on shelf life. Use up BEECK Concrete/Stone Glaze in between 4 weeks when mixed with water and BEECK Base V.

6. Hazard notes, safety instructions and disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request.

Precautionary statements: Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Wear eye/face protection. The product is alkaline. Do not breathe vapours, spray-mist and dust. Carefully protect the area surrounding the surface to be coated, wash off splashes immediately with water. Disposal in accordance with the official regulations.

Waste disposal number: 080112

7. Declaration

This technical information is offered as advice based on our knowledge and practical experience. All information is provided without guarantee. It does not release the user from their responsibility to check the product suitability and application for the specific substrate on which it is to be used. Subject to change without notice as part of our product development. Non-system additives for tinting, thinning, etc. are not permitted. Check the colours before use. This information sheet automatically becomes invalid when a new edition is issued. The information in the current version of the EC Safety Data Sheets is binding for classification according to the Hazards identifications, disposal considerations, etc.