

BEECK Base V

Transparent base, primer and thinner for tinted silicate paints and glazes

BEECKASF®
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 like wet life, levelling and saturation of substrate. A uniform coating finish without any imperfections and stripes is enabled, even with multilayered coatings on strongly absorbent surfaces. BEECK Base V stabilizes pigmented one-pack silicate paints and provides optimally application consistence. Also used as a primer for absorbent substrates.

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

1.2. Technical properties

1.2.1. Overview

- For use on interior surfaces and façades
- High silicification activity (ASF®)
- Improves levelling and processing properties
- Nonflammable
- 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.

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.

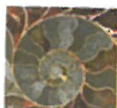
2.4.2. Application

Use as addition for tinted one-pack silicate paints:

Use BEECK Base V for factory tinting of one-pack BEECK silicate paints. Add 5 % - 15 % 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 10 % - 15 % when tinting earthy colour tones of a medium lightness and good coverage (LV 20 – 70). Document exact additional volume to ensure reproducible results in case of subsequent deliveries. Stir in BEECK Base V into the white silicate charge before starting tinting with full colour paints or pigment paste. BEECK Base V is smoothly mixed in with common rotary stirrer, dissolver, mixer or shaker during tinting process. Notice a slight colour difference when BEECK Base V is stirred in subsequent the tinting process. BEECK Base V provides a perfect application consistence when optimally dosed. Thinning with some more water or BEECK Fixativ is recommended when e.g. applying on very rough or absorbent surfaces at high temperature.

Use as thinner and primer 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. Common mixtures are 1:5 – 1:20, see Technical Data Sheet of BEECK Concrete/Stone Glaze.



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For priming porous mineral surfaces, thin 1 part BEECK Base V with 2 parts water and apply by brush. Flow coat renders with sanding surface but which are still firm with 1 part BEECK Base V and 5 parts water until saturated. Brush and level out excessive primer.

3. Application Rate and Container Sizes

The quantity required is depending on the additional volume and mixing ratio. For glazing techniques, it is up to approx. 0.05 L BEECK Base V per m² and glaze coat when using high dilution ratio. Application rate when used as a primer up to 0.04 L per m². Try out on a test area on site to determine exact application rates. As an addition for silicate paints use 5 – 15 % 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.