

BEECK Quartz Filler P

Powdery extender component with fibre reinforcement as an addition for BEECK silicate paints

1. Product Properties

Grainy powdered component with texture grain 0.4 mm as slurry additive for siliceous primer and intermediate coatings for interiors and exteriors. Suitable, for example, for BEECK Pure Crystalline Finish or Beecosil on substrates with minor structural defects or individual hairline cracks. BEECK Quartz Filler P is

BEECK ASF®
Aktiv Silikat Formulierung

optimally compatible with all silicification-active BEECK one and two-pack silicate systems. High filling property combined with fibre reinforcement for permanent siliceous bridging of static hairline cracks and crazing and for levelling out texture defects. Even when used for renovation, a surplus thickness of embrittling organic material does not form. Durably protects silicate coatings and the plaster or render layer from weathering. In case of greater substrate discrepancies, use BEECK Quartz Filler (without P!). Topcoat in the same colour without slurry additive.

1.1. Composition

- Silicification-active extenders with selected grading curve, texture grain approx. 0.4 mm
- Cellulose fibres for reinforcing hairline cracks
- Organic content (cellulose fibres!) < 5% (VOB/C DIN 18363 2.4.1.)
- Free from solvents, biocides and preservatives

1.2. Technical properties

1.2.1. Overview

- Powdered slurry additive
- For use on interior surfaces and façades
- Extremely economical and high-yielding
- Brightens up smooth structures through texture grain 0.4 mm
- Bridges hairline cracks and minor structural defects
- Attractive brushed, mineral surface
- Optimum silicification with subsequent coat
- Nonflammable
- Binders and synthetic resin free

1.2.2. Important building physics characteristics

Parameter	Value	Conformity
Density 20°C:	1.50 kg / L	
pH value 20°C:	9	
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.):	0 g / L	ChemVOCFarbV, Cat. A / c

1.2.3. Colour

- Light Grey, subtle colouring

2. Use

2.1. Substrate requirements

- Can be used on porous, absorbent mineral, silicifiable substrates in interiors and on façades.
- The substrate must be clean, dry, firm and stable and must be free from efflorescent and separating substances.
- Check drying and strength of new plaster or render.
- Carefully make good chipped surfaces and misses with the same type of material and the same texture.
- Use plaster or render to repair cracked substrates, e.g. finishing compound with fabric mesh reinforcement.
- Precoat whole surfaces with crazing-like hairline cracks, made good plaster and render and minor structural defects with BEECK Quartz Filler (without P!).
- Gently clean pressure-sensitive surfaces.
- Prepare algae infested façades with BEECK Fungicide according to the factory specifications.
- Pay particular attention to uniform substrates and careful use on visually high-quality surfaces and in glancing light. Avoid grain pockets, overlapping and joins, e.g. in scaffold working areas.

2.2. Brief information on the standard system

- Primer and intermediate coat in the respective silicate system adding BEECK Quartz Filler P according to the factory specifications. Topcoat in the same colour without slurry additive.



BEECK Quartz Filler P

- In case of critical structural defects, especially façades with made good render, different absorbency or continuous crazing, it is advisable to apply a slurry, more highly levelling primer coat of BEECK Quartz Filler (without P!) over the whole surface.
- Ensure qualified use, substrate suitability and careful preparatory treatment. Try out beforehand on test area under on site conditions.

2.3. Substrate and preparatory treatment

- See technical data sheet of the relevant silicate system, e.g. BEECK Pure Crystalline Finish or Beeckosil.

2.4. Application instructions

2.4.1. General information

Check substrate suitability as required (see 2.1 and 2.3). Pay particular attention to the absorbency, strength and texture of the respective substrate. Try out on a test area before using on high quality and critical surfaces. Ensure that the product is used by qualified persons.

- 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.
- Following the factory specifications in the technical data sheet, stir BEECK Quartz Filler P thoroughly into the respective silicate system with a powered mixing paddle. Then thin batch depending on the substrate and specification.
- Always use containers of product from the same production batch to coat self-contained areas. Ensure sufficient qualified workers and smooth, uninterrupted coating process.
- Do not use in wet conditions, if there is a risk of frost, on hot surfaces or in the blazing sun.
- Minimum application temperature: +8°C
- Drying time: at least 12 hours per pass

2.4.2. Application

- **Apply using a BEECK Mineral Paint Brush or roller:**

- Apply and lay-off self-contained areas with thin coats, smoothly, seamlessly and uniformly by cross coating, i.e. with directionless brush movements.
- Cut-in edges smoothly and seamlessly, wet-on-wet, together with the main area.
- Avoid roller edges, ridges, overlapping and overcoating coats that have already begun to dry, especially in scaffold working areas.

- **Use as a slurry additive to BEECK Pure Crystalline Finish:**

Primer coat:

- Soak 25 kg BEECK Powdered Pigment and 50 kg BEECK Quartz Filler P in 30 kg BEECK Fixative over night and, depending on the substrate and use, make optimally coatable by adding a further approx. 10 kg BEECK Fixative.

Intermediate coat:

- Soak 25 kg BEECK Powdered Pigment and 25 kg BEECK Quartz Filler P in 30 kg BEECK Fixative.
- Make optimally coatable by adding approx. 5 kg BEECK Fixative.

Topcoat:

- In the same colour with BEECK Pure Crystalline Finish without adding BEECK Quartz Filler P.

- **As a slurry additive for BEECK one-pack silicate systems, e.g. Beeckosil:**

Primer coat:

- Mix one 12.5 L (or 15 L) bucket with 4 kg BEECK Quartz Filler P.
- Mix thoroughly with powered mixing paddle and, depending on the substrate, make optimally coatable by adding approx. 2 kg BEECK Fixative. One to two slurry coats depending on requirement.
- If a greater filling power is required for the primer coat, 8 kg BEECK Quartz Filler P can also be added to a bucket of 12.5 L (15 L). Thin with approx. 3 kg BEECK Fixative.

Topcoat:

- Same colour with fine grained texture.
- Without addition of BEECK Quartz Filler P.

3. Application Rate and Container Sizes

The application rate, i.e. the quantity required for smooth, normally absorbent substrates is approx. 0.05 kg – 0.12 kg BEECK Quartz Filler P per m² as a slurry additive. Determination of the precise requirement by way of a sample area on site is indispensable for slurry coatings.

Container sizes: 4 kg / 8 kg / 25 kg

4. Cleaning

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



BEECK Quartz Filler P

5. Storage

In powder form, stored cool and dry on pallets, can be kept practically indefinitely. Soaked, e.g. in BEECK Pure Crystalline Finish, use within 4 weeks.

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.