



## BEECK Fungicide

**Aqueous biocidal solution for the protection of mineral façades. Only for commercial use**

### 1. Product Properties

Biocidal protection against algae, lichens and mould on mineral façades and external thermal insulation composite systems (ETICS). Optimum long-term effect on microporous building materials, which are not directly exposed to dirt and driving rain. The effectiveness and an efficient, careful cleaning method, which does not damage the substrate, must be tried out on site beforehand. Long-term test areas can be set up to validate the protective effect against reinfestation. The mould-resistant alkalinity of silicate coatings supports ideal building physics properties and, due to the lack of organic growth media, stimulates the effectiveness of treatment with fungicidal agents. Optimum façade protection through subsequent long-term preservation with BEECK SP Plus protects solid rendered façades, natural and brick walls from leaching of the biocide and keeps the façade dry. This biocidal product is for professionals and commercial users only, and is solely for exteriors (façades).

#### 1.1. Composition

- Aqueous solution of combined biocidal, alkali-resistant, active ingredients. Does not contain any solvents, free chlorine or heavy metals.

#### 1.2. Technical properties

##### 1.2.1. Overview

- Use only on façades
- Broad range of effects against algae, lichens and mould
- Suitable for external thermal insulation composite systems (ETICS).
- For cleaning and protection from reinfestation
- Alkali resistant

##### 1.2.2. Important building physics characteristics

Parameter	Value	Conformity
Density 20°C:	1.0 kg / L	
pH value 20°C:	4 - 5	
Dynamic viscosity 20°C:	< 500 mPas	

##### 1.2.3. Colour

- Colourless-transparent

### 2. Use

#### 2.1. Substrate requirements

- The substrate must be water-wettable, porous, firm and stable as well as free from efflorescent and separating substances and rising damp.
- BEECK Fungicide can be used on a large number of façade substrates, for example, mineral render, external thermal insulation composite systems, brick, calcium silicate masonry, natural stone, aerated concrete and concrete.
- Due to the diversity of substrates, cleaning methods and infestation-forming microorganisms, it is sensible to try out the product on test areas of original substrates on site.
- First, remove coarse dirt, cushions of moss, biogenic crusts and loose parts of coatings mechanically or using high pressure cleaning. Clean pressure-sensitive surfaces (e.g. ETICS) carefully.
- Associated measures, such as correcting building physics defects and repairing moisture damage are indispensable for protection against reinfestation.
- **Unsuitable substrates** are horizontal or sloped surfaces exposed to the weather and building materials with high water table pressure, rising or hygroscopic damp. Protect tops of walls and ledges against ponding or accumulated water and dirt deposits constructively, e.g. using sheet metal covers. Naturally limited effectiveness on façades with exposure to heavy dirt and driving rain. BEECK Fungicide requires a porous substrate. Façades coated with film-forming products, plastics, synthetic resin renders and non-porous natural stones (e.g. granite) are therefore unsuitable.
- **Defective substrates** require a differentiated approach, try out on a test area on site.

#### 2.2. Application instructions

##### 2.2.1. General information

Check substrate suitability as required (see 2.1). Pay particular attention to the absorbency, strength, texture, as well as the exposure of the respective surface to the weather and dirt. Examine critical areas and try out product on a test area on site.

- As a biocidal product, solely approved for use by professionals and commercial users. To be used on façades only.



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- Note and follow official instructions regarding façade cleaning, collection and discharge of wastewater. Obtain permits.
- Carefully cover surfaces which are not to be treated – especially glass, ceramics, window sills, expansion joints, lacquer and anodic coatings, plants, the ground and traffic areas – and protect them from splashes.
- Note and follow the safety instructions
- Provide personal protective equipment.
- Do not use in wet conditions, if there is a risk of frost, on hot surfaces, if it is windy (drift!), or in the blazing sun.
- Application temperature: +5°C to +25°C

### 2.2.2. Application

- Clean façade thoroughly using a high-pressure cleaning or dry particle blasting method. Remove infestation, moss, dirt and peeling coatings e.g. using a nylon brush. Thoroughly remove roots from creepers like ivy or vine mechanical or with flame cleaning because of a risk of discoloration when over coating.
- After drying of the façade, apply BEECK Fungicide with a saturating, pore-deep coat and do not rinse off. Only use on dry substrates. Allow façade to dry a few days after high-pressure cleaning especially when working on ETICs or in wet weather conditions.
- BEECK Fungicide is ready-to-use. Apply undiluted by brush. Do not spray or spatter.
- Further treatment with BEECK Silicate Paints after a minimum of 6 hours. Protect fresh coated facades from rain.

### 3. Application Rate and Container Sizes

The application rate is approx. 0.15 - 0.2 L BEECK Fungicide per m<sup>2</sup>. Any additional quantity required for highly porous building materials (e.g. aerated concrete) must be determined in advance on site.

Container sizes: 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 in the original container, BEECK Fungicide can be kept for at least 12 months. Keep a temperature between 10 °C and 30°C. Already opened containers should be closed thoroughly and should be stored upright.

### 6. Hazard notes, safety instructions and disposal

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

**Hazard statements:** Harmful to aquatic life with long lasting effects. **Precautionary statements:** Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves. Disposal in accordance with the official regulations. **Special labelling of certain mixtures:** Contains 2-Octyl-2H-isothiazol-3-one. May produce an allergic reaction. Repeated contact may cause allergic reactions in very susceptible persons.

- Waste disposal number: 080111
- Use biocides safely. Always read the product information before use. Product only for commercial use.
- Biocide registry number: N 47297; N 47299

### 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.