



The Product Range

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What is BEECK? BEECK introduces itself.

In 1894, the company founder Ludwig Beeck established his business in Breslau with the development and production of pure active silicification mineral paints based on water glass. He achieved inseparable bonding between the coating and microporous substrate with BEECK Pure Crystalline Finish, a mineral paint system suited for particularly valuable historical building materials in interior and exterior areas. These original formulae are still used today for the conservation of built heritage and impress with their large colours diversity and their enormous durability.

A new and less expensive product category, synthetic resin emulsion paint, meant hard times for a resolute mineral paint manufacturer during the construction boom of the 1950s and 1960s. Mineral paints were nearly forgotten and structural damage caused by the improper use of synthetic resins on porous mineral building materials increased.

Despite the clear trend towards synthetic resin emulsion paints, BEECK'schen Farbwerke remained true to the development and production of pure, natural coating systems. Based on its experience with pure mineral paints made of lime and water glass, the company

invested in developing pure plant-based paints. The AGLAIA Natural Paints brand created in 1968 has rounded off the BEECK product portfolio meaningfully ever since then.

The following owner, Gerhard Osterle, as a specialist in mineral and natural paints, also especially dedicated himself to their continued development. With the construction of the new production facility in 1972 in Laichingen, in the Swabian Alp region, he invested in modern machines, an in-house development and application laboratory and outstanding specialists as the most important knowledge carriers.

The tradition of building had changed in the past decades, and with it came new requirements for high quality and modern coating materials. Since the company was founded, work had been consistently carried out using natural raw materials such as beeswax, linseed oil, dammar and paracasein. To this day, BEECK offers a selected paint product range, which satisfies the highest standards.

BEECK'sche Farbwerke – plant-based and mineral natural paints from a single source!

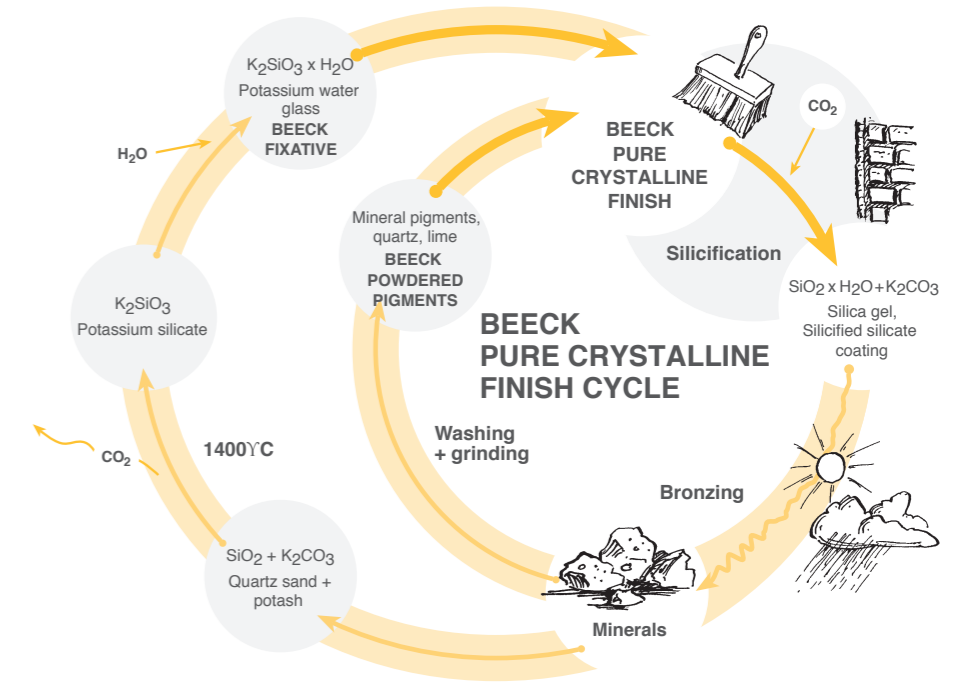
valuable wall building materials such as air-lime plaster, clay or loam and natural stone. Reversible coatings and casein paints, with their vital character and blaze of colour are also firmly anchored in restoration and church painting, and lend every listed building a very special aura.

Ecology

Pure mineral paints are natural mineral paints. Obtained from practically unlimited resources of raw mineral materials, they are integrated in material cycles. Free from solvents, plasticisers and biocides, they enable a healthy living environment.

References

Nothing is more convincing than decades of clean and brilliantly beautiful façades – that is the standard with BEECK Mineral Paints!



Service

Quality in materials, substrates and use is prerequisite for a coating to become what it should be – a success for skilled trades workers, owners or developers and designers. BEECK offers its whole range of services for the success of the customer, from competent substrate evaluation and preparation of work recommendations to detailed tender specification texts and estimating.

Built heritage conservation

The cheerful character, the play of colours and the lightfastness of the pure mineral pigmentation enhance the status of each building for many decades. This unsurpassed durability of BEECK Mineral Paints makes their use maintenance friendly and therefore economical.

Economic efficiency

The cheerful character, the play of colours and the lightfastness of the pure mineral pigmentation enhance the status of each building for many decades. This unsurpassed durability of BEECK Mineral Paints makes their use maintenance friendly and therefore economical.

Building physics

The capillary-active coatings have ideal open porosity, and are therefore extremely valuable in building physics terms. Thanks to silicification they form an inseparable mineral unit with the render, do not tend to flake and also do not form a vapour-tight, high-tension rind in when renovated. This open porosity also ensures a balanced, healthy living room climate. The high alkalinity of the coatings has a mould resistant and bactericidal effect. Free from solvents, plasticisers, biocides and preservatives they fulfil the strictest room air hygiene requirements.

Innovation

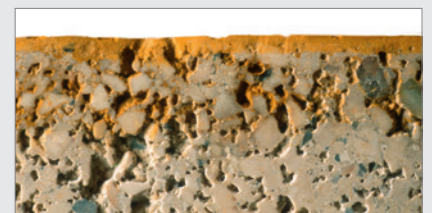
The advantages of mineral coatings cannot just be used on traditional building materials but also on composite materials and lightweight building components. A wide range of primers also opens up their use on substrates with weak silicification.

Aesthetics

In aesthetic terms the matt coatings are unsurpassably attractive, especially in the modern ambience too. Traditional coating materials such as lime wash paints are especially compatible with historically



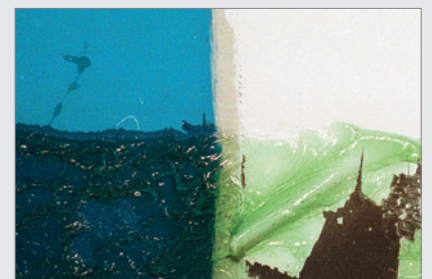
Silicification – the microporous, inseparable unity of substrate and active silicate coating! Ideal building physics properties combined with extreme durability, the secret of true silicate coatings. Resistant to UV radiation as well as organic solvents and paint strippers. Weathering caused by weak chalking with active self-cleaning effect.



Film formation with commonly used emulsion, silicone resin and passive silicate paints. Organic synthetic resin bonds the surface of the building material with pigments and extenders. This is disadvantageous from a building physics point of view, because it has a negative effect on diffusion.

Film-forming coatings also tend to become brittle and flake, causing the façade coating to become an expensive dead-end after only a few renovation intervals.

Is this practice the high art of the painting and decorating trade?



Real mineral paint – resistant to stripping! Emulsion paint – detaches as a film

Reference:
Higher Regional Court in Cologne

The BEECK Product Range

The BEECK Product Range

The BEECK Product Range – fully developed mineral coating solutions to meet the highest standards

Outside Area

BEECK Pure Crystalline Finish

Pure two-pack silicate paint to VOB/C DIN 18363 2.4.1, to be prepared by mixing BEECK Fixative and BEECK Powdered Pigment. Unsurpassed durability; aesthetic and colourfast.

Beeckosil & Beeckosil historic

One-pack active silicate paint for mineral façade substrates; conforms to VOB/C DIN 18363 2.4.1. Extremely water vapour permeable and weather and UV resistant.

Beecko-SOL

Silicate emulsion paint modified with silica sol in accordance with VOB/C DIN 18363 2.4.1.

BEECK Renosil

Efficient renovation coating for synthetic resin coated façades and external thermal insulation composite systems (ETICS). Remineralised with optimum light and UV resistance.

BEECK Concrete / Stone Glaze

Semi-transparent active silicate glaze for mineral plaster, fair-faced concrete and natural stone in interior and exterior areas.

BEECK Oleith Top

Decorative covering wood coating tinted with pure mineral pigments. Especially used for wooden laggings and timbering on façades with a rough-sawn surface. Protects soft wood from weathering and greying caused by UV-radiation and keeps the façade colourful and attractive.

Inside Area

BEECK Maxol

High covering interior silicate paint, producing a most attractive matt finish with excellent building physics properties.

BEECK Sensil

Hard-wearing interior mineral paint used for frequented interior rooms and corridors in private, public and commercial buildings. Universal for lime and cement plaster, concrete, fabric and non-woven.

Further Product Highlights

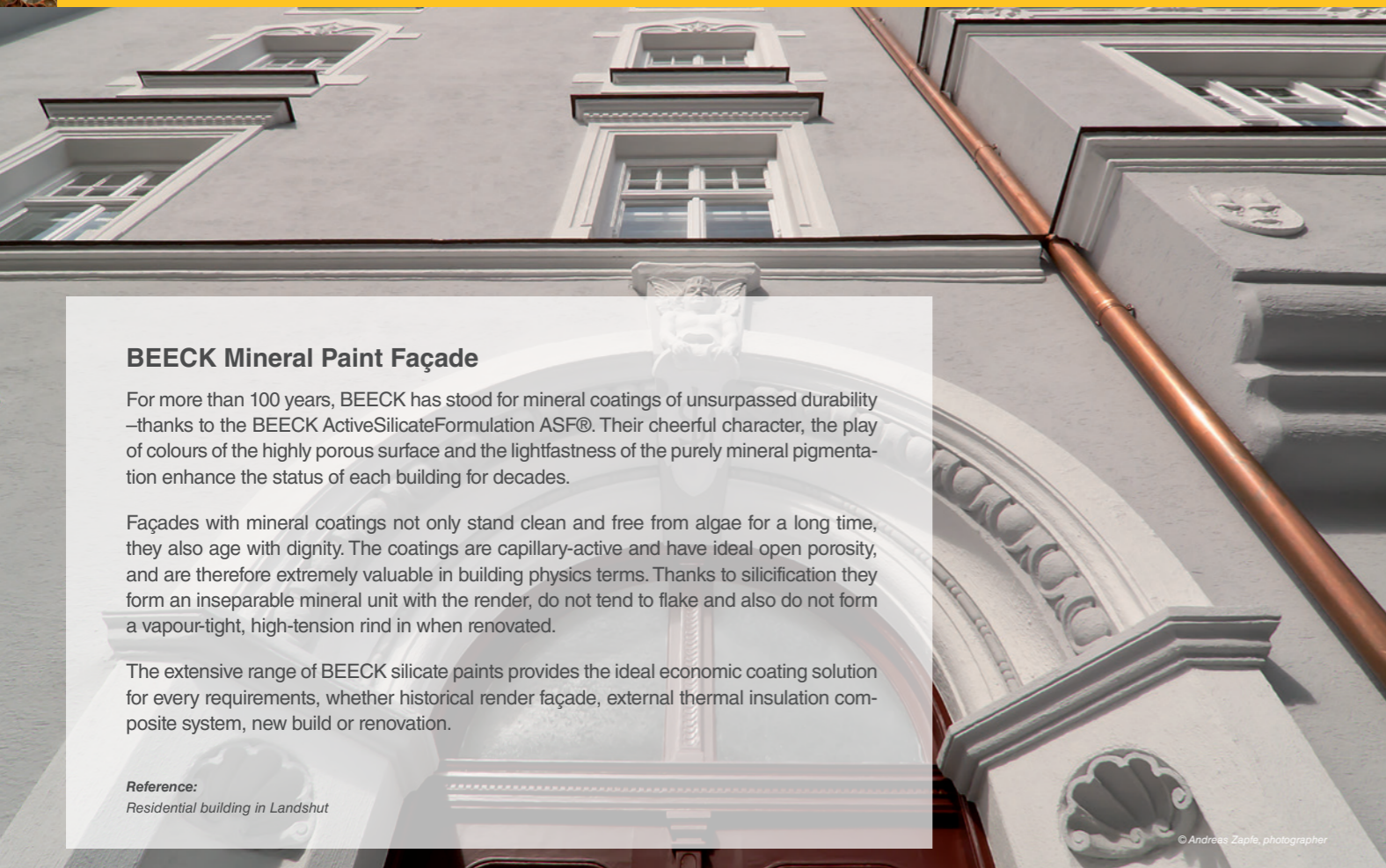
BEECK Stand Oil Paints / Stand Oil Wood Glazes

Classic oil paints for opaque and glazed wood coatings, for example, on half-timbering. Maintenance-friendly, true to historical linseed oil coatings, they are not prone to flaking, even under intense weathering.

BEECK SP Plus

Highly alkali-resistant, water-repellent long-term preservation of mineral façades. Ideal for concrete, mineral render, opaque and glazed active silicate coatings.

The statements made in this brochure reflect our knowledge and practical experience. Subject to change without notice as part of our product development. Please find out more by referring to our current Technical Data Sheets and Safety Data Sheets under www.beeck.com.



BEECK Mineral Paint Façade

For more than 100 years, BEECK has stood for mineral coatings of unsurpassed durability – thanks to the BEECK ActiveSilicateFormulation ASF®. Their cheerful character, the play of colours of the highly porous surface and the lightfastness of the purely mineral pigmentation enhance the status of each building for decades.

Façades with mineral coatings not only stand clean and free from algae for a long time, they also age with dignity. The coatings are capillary-active and have ideal open porosity, and are therefore extremely valuable in building physics terms. Thanks to silicification they form an inseparable mineral unit with the render, do not tend to flake and also do not form a vapour-tight, high-tension rind in when renovated.

The extensive range of BEECK silicate paints provides the ideal economic coating solution for every requirements, whether historical render façade, external thermal insulation composite system, new build or renovation.

Reference:
Residential building in Landshut

© Andreas Zapfe, photographer



Powdered Pigment

Tinted powder component in the BEECK Pure Crystalline Finish system



Intended use

Pure mineral powdered component, which when mixed with BEECK Fixative results in the pure two-pack silicate paint BEECK Pure Crystalline Finish to VOB/DIN 18363 2.4.1. Free from organic content. Unsurpassed silicification action, durable and maintains value with ideal building physics properties.

Properties

- Maximum colourfastness A1 (BFS-MB No. 26)
- Opaque and glazing
- Can be repeatedly renovated
- Timeless matt aesthetics
- Coloration suitable for listed buildings
- 200 lightfast colours
- Contains no solvents or VOCs

Colours

White, Off-White and the 200 colours of the BEECK Mineral Colour Card including full colours.

Container size

4 kg / 8 kg / 25 kg

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.01 m
Density (20°C):	1.55 kg/L
pH-value:	11
Organic content:	< 0 %
Application rate:	approx. 0.15 kg/m ² per pass



Pure Crystalline Finish

Pure two-pack active silicate paint to VOB/C DIN 18363 2.4.1.



Intended use

Unsurpassed in durability, water vapour permeability and ecological compatibility. To be mixed from BEECK Powdered Pigment and BEECK Fixative. Free from organic contents, in particular synthetic resins of all types. Opaque or glazed use on absorbent porous mineral plaster is possible.

Properties

- Maximum colourfastness A1 (BFS-MB No. 26)
- Mineral matt finish
- Free from resins, solvents and biocides
- Can be repeatedly renovated
- Ecologically compatible
- Ideal building physics properties

Colours

White, Off-White and the 200 colours of the BEECK Mineral Colour Card including full colours.

Container size

1 kg / 5 kg / 10 kg / 30 kg (BEECK Fixative) and 4 kg / 8 kg / 25 kg (BEECK Powdered Pigment)

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.01 m
Density (20°C):	1.55 kg/L
pH-value:	11
Organic content:	0 %
Application rate:	approx. 0.18 kg BEECK Fixative and 0.15 kg BEECK Powdered Pigment per m ² and pass



Fixative

Priming and binder for BEECK Silicate Paints including BEECK Pure Crystalline Finish



Intended use

Potassium water glass as binder, free from organic content to VOB/DIN 18363 2.4.1. Primer and thinner for BEECK Silicate Paints. Forms an inseparable microporous unit by means of silicification with the mineral substrate such as plaster, natural stone or concrete. As a strengthening primer for absorbent, chalking and crumbling substrates.

Properties

- Pure mineral
- Ideal building physics properties
- Moisture regulating
- UV resistant
- Optimum long lives
- Mould resistant due to alkalinity
- Full building biology compatibility

Colours

Colourless / transparent

Container size

1 kg / 5 kg / 10 kg / 30 kg

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.01 m
Density (20°C):	1.16 kg/L
pH-value:	11
Organic content:	0 %
Application rate:	approx. 0.04 kg/m ² on a smooth substrate for priming



Beeckosil Fine

One-pack active silicate system to VOB/DIN 18363 2.4.1.



Intended use

Ready-to-use one-pack water-glass paint with an absolutely mineral profile. For permanently representative façades made of render, brick, calcium silicate masonry and concrete. Thin with BEECK Fixative. Use BEECK Quartz Filler, alternatively Beeckosil Coarse, to apply a slurry base coat to substrates with hairline cracks and structural defects.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Maximum colourfastness A1(BFS-MB No. 26)
- Moisture regulating
- Non film-forming
- Mould resistant due to alkalinity
- Economical to use

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable and full colour coatings with BEECK Full Colour Silicate Paints.

Container size

5 L / 12.5 L / 15 L

Technical data:

W ₂₄ -value:	< 0.08 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.02 m
Density (20°C):	1.50 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.12 L/m ² per pass on a smooth substrate



Beeckosil historic

Titanium dioxide-free active silicate paint for Monumental coloring



Intended use

Durable one-pack silicate system according with VOB/C DIN 18363 2.4.1. for heritage buildings. Pure mineral and lightfast pigmentation, and the abstinence of titanium dioxide, the white industrial standard pigment of recent paints. Ideal for restoration of stylish facades with lime render and weathered mineral paints in a historical context.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Preservation of monuments, abstinence of titanium dioxide
- Extremely water vapour permeable, ideal building physics properties
- Capillary-active and moisture regulating
- Maximum colour stability in all shades
- Favoured manual application by brush
- Natural alkalinity helps to prevent algae and mould

Colours

Lime white pigmented with barite and chalk/whiting. Mixed in 200 mixed colours of the BEECK Mineral Paint Colour Card. Colour groups: I – IV. Tintable with BEECK Full Colour Silicate Paints.

Container size

1L / 5L / 12,5L

Technical data:

W ₂₄ -value:	> 0.5 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.02 m
Density (20°C):	1.50 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.13 L/m ² per pass on a smooth substrate

NEW



Beeckosil Coarse

Fine slurry base coat in the active silicate system to VOB/DIN 18363 2.4.1.



Intended use

Levelling, quartz-filled priming and intermediate coat in the Beeckosil system on substrates with minor structural defects or hairline cracks. Thinning with BEECK Fixative. Ready-to-use paste. Same colour topcoat with Beeckosil Fine. Use render to repair façades with cracks, chipped surface or structural defects and slurry uniformly with BEECK Quartz Filler.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Texture grain 0.4 mm
- Bridges over hairline cracks and levelling effect
- Optimum silicification with substrate and topcoat
- Brightens up smooth surfaces
- Non film-forming

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Same colour topcoat in Beeckosil Fine.

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	< 0.08 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.01 m
Density (20°C):	1.58 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.24 kg/m ² per pass on a smooth substrate



Concrete / Stone Glaze

Semi-transparent active silicate glaze for mineral surfaces to VOB/C DIN 18363 2.4.1.



Intended use

One-pack, glazed pigmentation silicate system to VOB/DIN 18363 2.4.1. For creative, colour glazed design of rendered façades and fair-faced concrete. For retouching and freshening up natural stone and brick during stone restoration work on listed buildings. Fair-faced stone glazing is possible or pretreatment with BEECK Quartz Filler.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Maximum colourfastness A1 (BFS-MB No. 26)
- Polychrome and monochrome
- Mould resistant due to alkalinity
- Thin with BEECK Fixative / water 1:1
- Extremely high yield

Colours

White, Off-White and the 200 colours of the BEECK Mineral Colour Card including full colours. Tintable with BEECK Full Colour Silicate Paints.

Container size

1 L / 5 L / 12.5 L

Technical data:

W ₂₄ -value:	0.3 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.35 – 1.5 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.10 L/m ² per glaze pass, pretest! Mixture of BEECK Base V and water

new Quality



Beecko-SOL Fine

Sol-silicate paint for mineral and for synthetic resin coated façades. Fulfils VOB/C DIN 18363 2.4.1



Intended use

Silica-sol silicate system for universal use on lime and cement render, concrete and ETICS façades, also for renovating weathered, matt emulsion and silicone resin coatings. Thin with BEECK Fixative. Use BEECK Quartz Filler, alternatively Beecko-SOL Coarse, to precoat substrates with hairline cracks and structural defects.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Highly adherent even on synthetic-resin based substrates
- Maximum colourfastness A1(BFS-MB No. 26)
- Highly water vapour permeable
- Mould resistant due to alkalinity
- Non film-forming

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable pastel colour and full colour coatings with BEECK Universal Full Colour Silicate.

Container size

5 L / 15 L

Technical data:

W ₂₄ -value:	0.08 kg/(m ² h ^{1/2})/Class W ₃
s _d -value (H ₂ O):	0.01 m/Class V ₁
Density (20°C):	1.44 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.13 L / m ² per pass on a smooth substrate



Renosil Fine

Efficient silicate-based renovation coating for remineralising surfaces

Intended use

Water-thinnable, open-pored silicate system for universal use on external thermal insulation composite systems (ETICS), thin-layer renders and synthetic resin renders. Also for renovating adherent, firm emulsion coatings.

Properties

- Can be used directly without a bonding agent
- Efficient and universal
- Water-thinnable
- Free from solvents
- Mould resistant due to alkalinity
- UV resistant and lightfast
- Does not flake

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable and full colour coatings with BEECK Universal Full Colour Silicate

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	< 0.12 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	1.45 kg/L
pH-value:	11
Application rate:	approx. 0.13 L/m ² per pass on a smooth substrate



Beecko-SOL Coarse

Slurry primer coat in the Beecko-SOL system for façades. Fulfils VOB/C DIN 18363 2.4.1



Intended use

Levelling primer coat on lime and cement render, concrete and ETICS façades, and for reno-vating weathered, matt emulsion and silicone resin coatings. Covers localised hairline cracks, precoat critical substrates with greater structural defects with BEECK Quartz Filler. Topcoat: in the same colour with Beecko-SOL Fine.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Levels out hairline cracks and minor structural defects
- Highly adherent even on synthetic-resin based substrates
- Texture grain 0.4 mm
- Highly water vapour permeable
- Low tension

Colours

White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable pastel colour and full colour coatings with BEECK Universal Full Colour Silicate.

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	0.08 kg/(m ² h ^{1/2})/Class W ₃
s _d -value (H ₂ O):	0.01 m/Class V ₁
Density (20°C):	1.60 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.25 kg/m ² per pass on a smooth substrate



Renosil Coarse

Fine slurry base coat in the BEECK Renosil system

Intended use

Coarse-grained primer and intermediate coating on ETICS, synthetic resin plasters and firm old emulsions with minor structural defects or hairline cracks. Ready-to-use, to be applied as thorough slurring coat using the Mineral Paint Brush. Same colour topcoat with BEECK Renosil Fine. Apply render to façades with severe cracking or defects.

Properties

- Grading curve with texture grain 0.4 mm
- Bridges over hairline cracks
- Levels out structural defects
- Diffused light effect
- Optimum bond
- Thin with BEECK Fixative

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable with BEECK Universal Full Colour Silicate. Same colour topcoat in BEECK Renosil Fine.

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	< 0.10 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	1.58 kg/L
pH-value:	11
Application rate:	approx. 0.24 kg/m ² per pass on a smooth substrate



Tone systems for BEECK silicate paints

When exposed to extreme weather conditions, BEECK silicate paints retain their original color – a distinct feature with appreciation that transcends the field of monument and historic preservation. Our pure mineral pigmentation is absolutely resistant to fading and is not affected by UV rays, in addition to aggressive acidic and other air pollutants. During the drying process the pigments become permanently integrated into the silicate matrix, the pigments will not leach and bleach even with extreme weathering and time. The BEECK mineral colour tones, which are both earthy and luminous, stay true to the monument or historic structure. They can be created using all of the various BEECK tinting systems.

BEECK Full Colour Silicate Paint is the full-toned active silicate formulation ASF, ideally suited for the tinting of Beeckosil.

BEECK Universal Full Colour Silicate is used for the tinting of Beecko-SOL, BEECK Renosil and some of our interior silicate paints. This system is especially easy to use and is capable of being used as full-tone facade paint as well as tinting for the silicate paint systems. This stands as a testament to the unbridled lightfastness of these high-performance products.

In addition, BEECK Tinting paste is a new tinting system which is now available. It can be used for tinting with the proper mixing and dosing systems. These highly concentrated tinting pastes are recommended for the color tone groups I and II and for the pastel to medium tone colour range.

Reference: Pillnitz Castle, Dresden



Universal Full Colour Silicate

Lightfast full colour and tinting paint for BEECK Renosil, BEECK Maxil or BEECK Beecko-SOL

Intended use

Full colours, capable of silicification, for tinting BEECK Renosil, BEECK Maxil and BEECK Beecko-SOL. Also for full colour coatings and decorative painting in the respective system, in interior and exterior areas on uniform, prepared substrates. Maximum colourfastness A1 to BFS-MB No. 26. Avoid full colour coatings on sunlit external thermal insulation composite systems (ETICS) due to the heating effect (LV > 40).

Properties

- Maximum colourfastness A1 (BFS-MB No. 26)
- Solvent free
- Efficient for shading
- Mould resistant due to alkalinity
- Dilution with BEECK Fixative
- Creative
- Water thinnable

Colours

Black, Umber, Ochre Yellow, Maize Yellow, Lemon Yellow, Green, Cobalt Blue, Ultra Blue, Wine Red, Oxide Red and Brown, see BEECK Mineral Colour Card. Can be mixed as required with BEECK Renosil, BEECK Maxil and BEECK Beecko-SOL, White.

Container size

0.75 L / 5 L / 12.5 L

Technical data:

W ₂₄ -value:	< 0.20 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.08 m
Density (20°C):	1.18 – 1.38 kg/L
pH-value:	11
Application rate:	approx. 0.12 L/m ² per pass on a smooth substrate



Full Colour Silicate Paint

For tinting BEECK one-pack silicate paints and for full colour painting and decorating



Intended use

Active silicate paints with pure mineral pigmentation to VOB/DIN 18363 2.4.1 for individual tinting of BEECK one-pack silicate paints such as Beeckosil, BEECK Concrete/Stone Glaze or BEECK Quartz Paint. Also for full colour decorative painting, stencil techniques and labelling in interior and exterior areas.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Mould resistant due to alkalinity
- Maximum colourfastness A1 (BFS-MB No. 26)
- Ready-to-use
- Pure inorganic pigmentation
- One year shelf life
- Unlimited lightfastness and UV resistance
- Thin with BEECK Fixative
- Non film-forming

Colours

Black, Umber, Ochre Yellow, Maize Yellow, Lemon Yellow, Green, Cobalt Blue, Ultra Blue, Wine Red, Oxide Red and Brown, see BEECK Mineral Colour Card. Mixable with Beeckosil white.

Container size

0.75 L / 5 L / 12.5 L

Technical data:

W ₂₄ -value:	< 0.08 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.34 – 1.46 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.12 L/m ² per pass on a smooth substrate



Tinting paste

Mineral pigment paste for tinting one-pack BEECK silicate paints



Intended use

High concentrated, stabilized paste of finely grinded mineral pigments for tinting BEECK silicate paints for interior and exterior. Used for tinting in factory or at POS with common dispensing and mixing equipment, like rotary stirrers, shakers and metering systems. Product only for commercial use. Optimum use in BEECK ASF® Active Silicate Formulations like Beeckosil. Do not use for full colour painting or for tinting on site, see BEECK Full Colour Silicate Paint and BEECK Universal Full Colour Silicate.

Properties

- High efficient, yielding and intensely coloured
- Natural alkalinity helps to prevent algae and mould
- Silicification active
- Non film-forming, no negative impact on building physics

Colours

9 full colour tinting pastes: S-01 Oxide Black, X-01 Oxide Yellow, Y-02 Light Yellow, X-03 Oxide Orange, R-01 Oxide Red, R-02 Wine Red, G-01 Oxide Green, T-01 Turquoise, U-01 Ultra Blue.

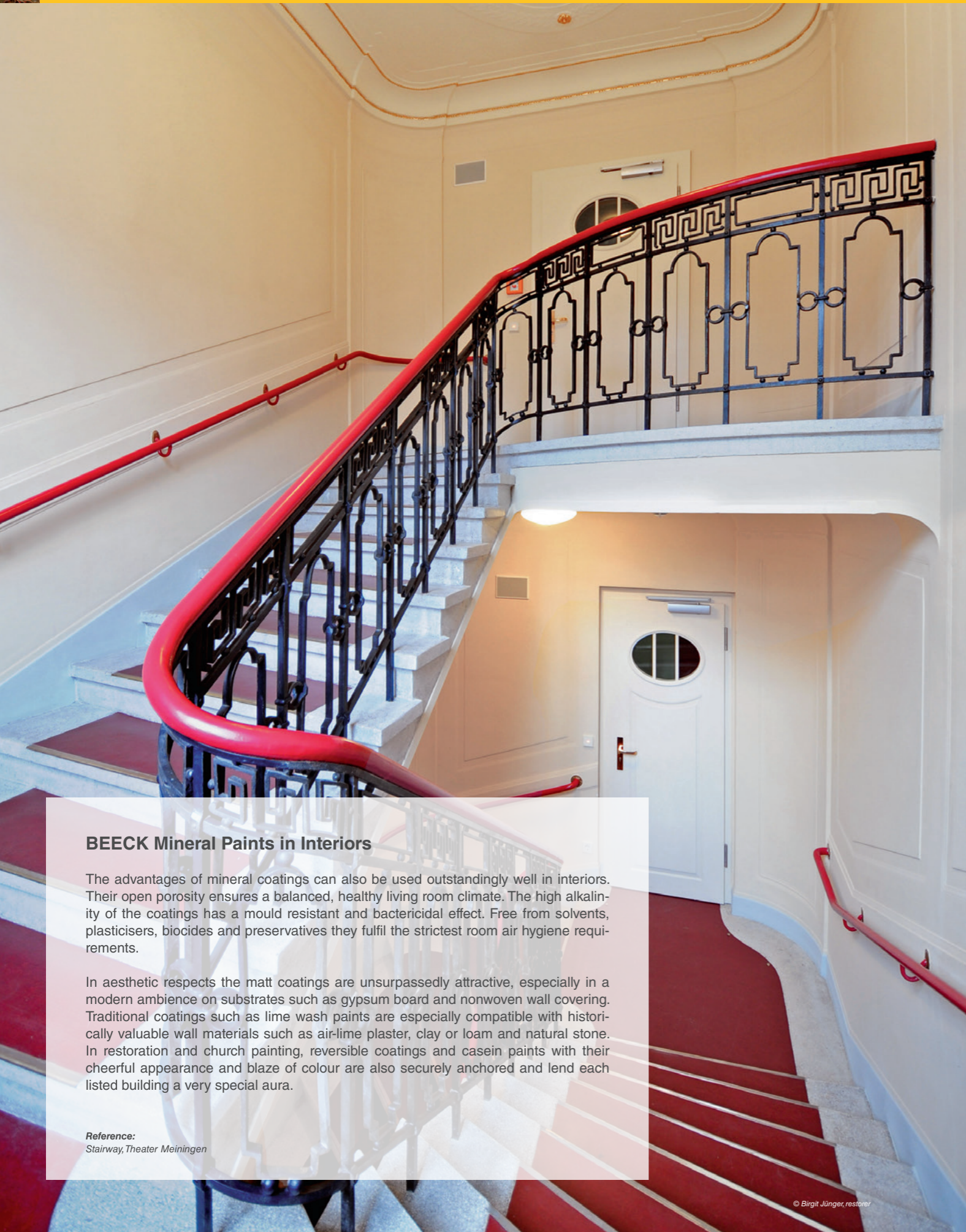
Container size

1 L / 25 kg (exception U-01 Ultra Blue: 20 kg)

Technical data:

Density (20°C):	1.4 – 2.3 kg/L
pH-value:	8 – 9
Organic content:	< 5 %
Application rate:	max. allowance: 6 weight - % (pastel)

NEW



BEECK Mineral Paints in Interiors

The advantages of mineral coatings can also be used outstandingly well in interiors. Their open porosity ensures a balanced, healthy living room climate. The high alkalinity of the coatings has a mould resistant and bactericidal effect. Free from solvents, plasticisers, biocides and preservatives they fulfil the strictest room air hygiene requirements.

In aesthetic respects the matt coatings are unsurpassedly attractive, especially in a modern ambience on substrates such as gypsum board and nonwoven wall covering. Traditional coatings such as lime wash paints are especially compatible with historically valuable wall materials such as air-lime plaster, clay or loam and natural stone. In restoration and church painting, reversible coatings and casein paints with their cheerful appearance and blaze of colour are also securely anchored and lend each listed building a very special aura.

Reference:
Stairway, Theater Meiningen

© Birgit Jünger, restorer



Sensil

Covering interior silicate paint to VOB/C DIN 18363 2.4.1 for heavy-duty interior rooms.

... additional

Sensil Plus

with photocatalytic effect



NEW



+P

Photocatalytic additive for BEECK Sensil, to result in BEECK Sensil Plus



NEW

Intended use

Hard-wearing interior mineral paint used for frequented interior rooms and corridors in private, public and commercial buildings, e.g. schools, hospitals, hotels, offices, kitchens, car parks, workshops and store houses, inclusively food industry and gastronomy. Universal for lime and cement plaster, concrete, fabric and non-woven. Following a base coat of BEECK Gypsum Primer, also suitable for gypsum plaster, gypsum boards and old dull wall coatings.

Properties

- BEECK ASF® Active Silicate Formulation
- Water vapour and CO₂-permeable
- Attractive matt, mineral surface
- Resistant to proprietary cleaning products and disinfectants
- Natural alkalinity helps to prevent bacteria and mould
- Plasticiser-free and thermoplastic, free from electrostatic build-up
- Ecological alternative to common latex paint

Specification to EN 13300

- Highest wet-scrub resistance and hiding power class 1

Colours

White and Off-White and ready-mixed in pastel colours of the BEECK Mineral Paint Colour Card. Colour groups I, II. Tintable in pastel colours with BEECK Universal Full Colour Silicate.

Container size

1 L / 5 L / 12.5 L

Technical data:

W ₂₄ -value:	< 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.45 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.13 – 0.14 L/m ² per pass on a smooth substrate

Intended use

Highly concentrated, thickened potassium water glass with organic additives and photocatalytic active titanium dioxide. BEECK +P is simply stirred to BEECK Sensil, interior one-pack silicate paint, using an electrical dispenser or mixer. The photo catalysis reduces interior air pollution, smell and malodour, and therefore enables a pleasant and hygienic room ambient. Only use for described application in BEECK interior silicates.

Properties

- For use on interior surfaces in system BEECK Sensil
- Photocatalytic effect, initialized by sun or artificial light
- Transforming smell particles and air pollution into innocuously substances
- Permanent embedding in highly porous silicate paint matrix
- No inhibition of silicification activity, porosity or renovation coatings
- Easy handling and dosing

Colours

White. Virtually without any influence on colouration.

Container size

0.25 L / 1 L / 5 L

Technical data:

Density (20°C):	1.34 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	allowance 0.25 L BEECK +P to one bucket 12.5 L BEECK Sensil



Maxil

Highly opaque interior silicate paint to VOB/C DIN 18363 2.4.1 for ambitious room design

Intended use

Open-pored mineral coating for visually appealing interior walls made of plaster, gypsum board and fabric wallpaper. Also on smooth and white plasters under critical building and light conditions in representative rooms. Apply an undercoat of BEECK Gypsum Primer, Fine or Coarse to critical substrates and gypsum board.

Properties

- Premium quality
- Tried and tested on buildings
- Maximum colourfastness A1 (BFS-MB No. 26)
- Streak-free use

Specification to EN 13300

- Wet-scrub resistance class 2
- Hiding power class 1

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable and full colour coatings with BEECK Universal Full Colour Silicate.

Container size

5 L / 15 L

Technical data:

W ₂₄ -value:	< 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.46 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.12 L/m ² per pass on a smooth substrate



Quartz Paint

Silicification active, water vapour permeable, interior silicate paint for historical interiors



Intended use

Extremely water vapour permeable, active silicate paint to VOB/C DIN 18363 2.4.1 for porous mineral substrates, especially lime plasters. Ideal for historical, representative buildings, even under critical building physics conditions. Timelessly authentic, mineral aesthetics. Thin with BEECK Fixative.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Maximum colourfastness A1 (BFS-MB No. 26)
- Moisture regulating
- Matt with lusted lime effect
- Mould resistant due to alkalinity
- Can be repeatedly renovated
- Free from solvents

Specification to EN 13300

- Wet-scrub resistance class 2
- Hiding power class 2

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable pastel colour and full colour coatings with BEECK Full Colour Silicate Paints.

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.54 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.12 L / m ² per pass on a smooth substrate



Maxol

Attractive matt interior silicate paint to VOB/C DIN 18363 2.4.1

Intended use

Intended use

High covering interior silicate paint, producing a most attractive matt finish with excellent building physics properties. Following a base coat of BEECK Gypsum Primer Fine/Coarse, also suitable for gypsum plaster, gypsum boards and old dull matt emulsion paints. Economic to use and well proven on a large range of substrates in renovation and new buildings. BEECK Maxol contains silica sol and silicifiable potassium water glass as a binder.

Properties

- Attractive mineral matt appearance
- Highly opaque
- High wet-scrub resistance
- Water vapour permeable and ideal building physics properties
- Nonflammable
- Natural alkalinity helps to prevent bacteria and mould
- Dilution with BEECK Fixative

Specification to EN 13300

- Wet-scrub resistance class 2
- Hiding power class 1

Colours

White and Off-White and ready-mixed in the 200 mixed colours of the BEECK Mineral Paint Colour Card. Colour groups: I – IV. Tintable and full colour coatings with BEECK Universal Full Colour Silicate.

Container size

1 L / 5 L / 12.5 L

Technical data:

W ₂₄ -value:	< 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.49 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.15 – 0.18 L/m ² per pass on a smooth substrate



Insil

Solvent free, open-pored interior silicate paint for living areas and commercial premises

Intended use

Ready-to-use interior silicate paint to VOB/C DIN 18363 2.4.1 for all firm interior substrates such as lime plasters, concrete, fabric and wood chip wallpapers.

Properties

- Universal use
- Easy to use
- Mould resistant due to alkalinity
- Free from solvents
- Valuable room climate properties

Specification to EN 13300

- Wet-scrub resistance class 3
- Hiding power class 2

Colours

White, Off-White

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	0.20 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.02 m
Density (20°C):	1.43 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.13 L/m ² per pass on a smooth substrate

NEW



Gypsum Primer Fine

Highly opaque, white primer for BEECK interior silicate paints.

Intended use

Solvent free primer without texture grains for critical interior substrates with weak silicification. Suitable for gypsum, gypsum board and synthetic resin plasters and for firm, adherent emulsion-based existing paint coatings.

Properties

- Levels out substrate effects
- High hiding power
- Efficient
- Silicification bridge

Specification to EN 13300

- Wet-scrub resistance class 2
- Hiding power class 1

Colours

White

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	0.12 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.04 m
Density (20°C):	1.52 kg/L
pH-value:	10
Application rate:	approx. 0.14 L/m ² per pass on a smooth substrate



Mattolin extra matt

Matt interior finish for historical indoor design.
Free from synthetic resins.

Intended use

Highly opaque interior stand oil wall paint referred to historical distempers, casein and emulsion paints. Ideal for stylish renovation and conservation in listed buildings and for monochrome renovation of interior framework walls. Suitable surfaces are plaster or stucco. Can be used on old dull matt emulsion paints directly without any bonding primer. Also for use as a distemper on interior wood. BEECK Mattolin extra matt can be polished to satin gloss, if desired, e.g. for smoothing and marbling techniques and enables creative painting works.

Properties

- Free from synthetic resins
- Lightfast mineral pigmentation
- Highly permeable for water vapour and CO₂
- Capillary active with excellent building physics
- Adequate for preservation of historical buildings
- Ecological, based on renewable raw materials
- Wet-scrub resistance class 2
- Hiding power class 1

Specification to EN 13300

Colours

White, factory-tinted colours and full tone colours of the BEECK Mineral Paint Colour Card.

Container size

1 L / 5 L / 10 L

Technical data:

W ₂₄ -value:	0.20 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.1 m
Density (20°C):	1.45 kg/L
pH-value:	7 – 8
Application rate:	approx. 0.12 L/m ² per pass on a smooth substrate



Gypsum Primer Coarse

Opaque, white slurry primer for BEECK interior silicate paints.

Intended use

Opaque white textured coating for brush or roller application in the BEECK Maxil system. Bright-ens up the surface of smooth substrates made of gypsum or light-weight building board and levels out structural defects and hairline cracks. Ensure uniform particle-size distribution in streaked light and apply seamlessly.

Properties

- Grading curve with coarse grain 0.4 mm
- Fine plaster-like surface
- Easy to use
- High water-resistance

Colours

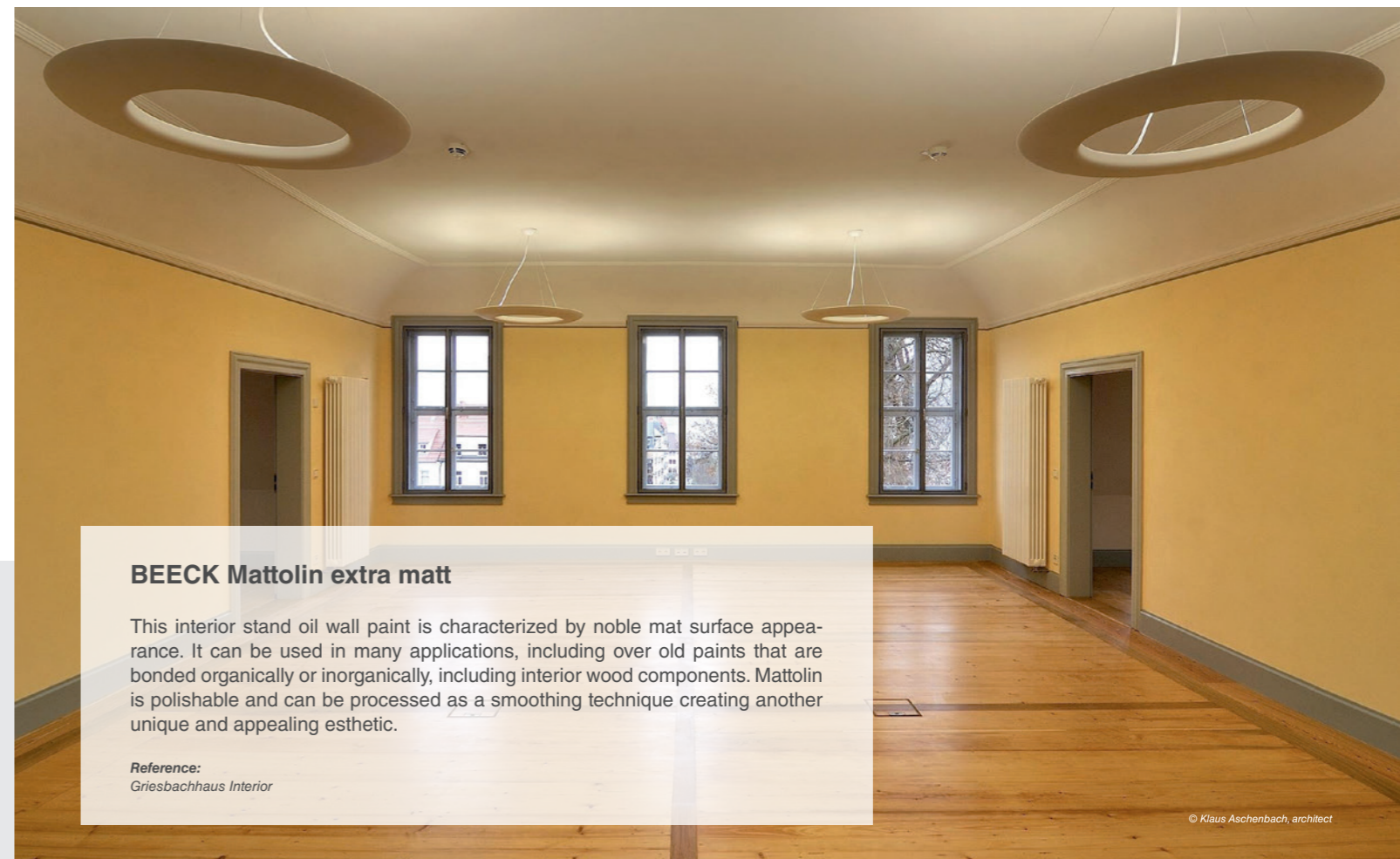
White

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	0.15 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.58 kg/L
pH-value:	11
Application rate:	approx. 0.24 kg/m ² per pass on a smooth substrate



BEECK Mattolin extra matt

This interior stand oil wall paint is characterized by noble mat surface appearance. It can be used in many applications, including over old paints that are bonded organically or inorganically, including interior wood components. Mattolin is polishable and can be processed as a smoothing technique creating another unique and appealing esthetic.

Reference:
Griesbachhaus Interior



Protect Fine

Reversible protective coating for historical interiors

Intended use

Highly water vapour permeable topcoat, white or tinted. For the protection of historical substrates, especially for wall paintings and coloration in the preservation of listed buildings. Abrasion resistant and free from chalking. Can be renovated and painted over (no distemper!) in the system as often as required, can be gently removed at any time from water-resistant (!) historical substrates using water.

Properties

- Can be removed again
- One-pack
- User friendly
- Mineral matt
- Highly diffusible

Specification to EN 13300

- Hiding power class 1

Colours

White, Off-White and the 200 ready-mixed colours of the BEECK Mineral Colour Card. Tintable and full colour coatings with BEECK Protect Full Colour Paint.

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	1.58 kg/L
pH-value:	9
Application rate:	approx. 0.14 L / m ² per pass on a smooth substrate



Protect Full Colour Paint

Lightfast full colour and tinting paint for BEECK Protect

Intended use

Purely mineral pigmented full colour paints in the BEECK Protect system. For individual shading of BEECK Protect Fine and Coarse. Also as a full colour coating for decorative painting and trompe l'oeil. The primer coating should be applied to historical substrates in White (coarse or fine) to ensure better removability.

Properties

- Maximum colourfastness A1 (BFS-MB No. 26)
- Coloration suitable for listed buildings
- Abrasion resistant and free from chalking
- Can be painted over in the system
- High hiding power and colouring capacity

Colours

Black, Umber, Ochre Yellow, Maize Yellow, Lemon Yellow, Green, Cobalt Blue, Ultra Blue, Wine Red, Oxide Red and Brown, see BEECK Mineral Colour Card. Can be mixed as required with BEECK Protect Fine, White.

Container size

0.75 L / 5 L / 12.5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	1.41 – 1.67 kg/L
pH-value:	9
Application rate:	0.14 L/m ² per pass on a smooth substrate



Protect Coarse

Slurry primer coating in the BEECK Protect system

Intended use

Fine grained, reversible primer and intermediate coating, white, for further treatment with BEECK Protect Fine. As a slurry base coat especially for historical substrates with structural defects, spot repairs and crazing. To be applied evenly and seamlessly with the Mineral Paint Brush.

Properties

- Texture grain 0.4 mm
- Opaque white
- Levelling effect
- Can be removed again

Colours

White

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.70 kg/L
pH-value:	9
Application rate:	approx. 0.28 kg/m ² per pass on a smooth substrate



Protect Primer

Removable primer coating in the BEECK Protect system

Intended use

Colourless/transparent, high-penetration primer for highly absorbent substrates in the preservation of listed buildings, such as (air) lime, gypsum and clay. Reduces the absorbency, consolidates and strengthens without damaging the historical substrate and creates uniform coating surfaces for working on with BEECK Protect, Fine or Coarse.

Properties

- Water thinnable
- Solvent free
- Universal
- Reversible

Colours

Milky, transparent after drying

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	approx. 1.01 kg/L
pH-value:	7
Application rate:	approx. 0.10 L/m ² on a smooth, normally absorbent substrate



Produkt use:

BEECK Protect Primer, BEECK Protect Fine, BEECK Insil, BEECK Oil Primer, BEECK Undercoat, BEECK Interior Stand Oil Paint Satin Matt

Reference:
Theater Meiningen in Thuringia



Kasolit Fine

Casein paint, free from synthetic resins, for highly water vapour permeable interior coatings

Intended use

User-friendly formulated, one-pack casein emulsion paint for open-pored coatings on all firm interior substrates. Ideal for valuable building biology substrates such as (air) lime plaster and clay, as well as gypsum, gypsum board, calcium silicate masonry and concrete. Pretreat highly absorbent substrates (gypsum, clay) with BEECK Casein Primer.

Properties

- High hiding power
- Free from chalking
- Reversible in the interests of listed building preservation
- Free from synthetic resin
- Ideal building physics properties
- Matt finish

Specification to EN 13300

- Wet-scrub resistance class 3
- Hiding power class 1

Colours

White, Off-White and factory-tinted pastel colours of the BEECK Mineral Colour Card.

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	0.50 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	1.30 kg/L
pH-value:	8
Application rate:	approx. 0.11 L/m ² per pass on a smooth substrate



Casein Primer

Casein emulsion for priming highly absorbent substrates

Intended use

Water-thinnable emulsion free from synthetic resins for interior substrates with high absorbency. Use on substrates containing gypsum and clay, porous lime plasters and lightweight building boards. Concentrate, to be thinned with 2 parts water. Further treatment with BEECK Kasolit, Fine or Coarse.

Properties

- High yielding
- Consolidates and strengthens clay and gypsum
- Absorption barrier on absorbent surfaces
- Valuable in building physics terms

Colours

Milky, uncoloured after drying

Container size

0.25 L / 1 L / 3 L / 10 L

Technical data:

W ₂₄ -value:	0.50 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.06 m
Density (20°C):	1.03 kg/L
pH-value:	8
Application rate:	approx. 0.035 L/m ² concentrate on a smooth, normally absorbent substrate, corresponds to approx. 0.10 L water thinnable solution



Kasolit Coarse

Slurry, white primer coating in the BEECK Kasolit system

Intended use

Fine grained casein emulsion coating for levelling out substrate defects and misses or holidays. Efficient application with brush or roller, finely slurring and seamless. To coat preferably with BEECK Kasolit Fine, white or tinted.

Properties

- Bridges hairline cracks
- Like fine plaster
- Texture grain 0.4 mm
- Brightens up surfaces
- Highly opaque white

Colours

White

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	0.50 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.57 kg/L
pH-value:	9
Application rate:	approx. 0.16 kg/m ² per pass on a smooth substrate



Lime Casein Paint

Open-pored interior coating made from Soaked Marble Lime and para-casein for lime plasters and clay substrates

Intended use

Highly water vapour permeable, chalking free lime casein coating for lime-compatible substrates for use in restoring the interiors of listed buildings, such as air lime plaster and clay. Also for the renovation of historical lime and mineral paint coatings. High yield powder concentrate, mix with water to use. Apply using Mineral Paint Brush, regardless of the substrate in 2 to 3 passes. Pre-wet clay.

Properties

- Free from synthetic resins
- Suitable for listed buildings
- Moisture regulating
- Low tension
- VOC-free powdered pigments
- Lustred lime effect
- Mould resistant due to alkalinity

Colours

Lime White

Can be tinted in pastel colours with BEECK Full Colour Lime Concentrate (max. 20 %)

Container size

5 kg / 10 kg

Technical data:

W ₂₄ -value:	0.80 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.35 kg/L
pH-value:	11
Application rate:	approx. 0.06 kg powder/m ² per pass, pretest!



Soaked Marble Lime

Wood-burned, pure slaked lime for restoration and church painting

Intended use

Marble lime slaked for many years for listed building preservation professionals. Suitable for lime washes and fresco painting on firm, lime-compatible substrates in the historical environment. Can be individually modified in consultation with the site engineers. It is essential to try it out on the original substrates.

Properties

- Maximum purity
- Absolutely suitable for listed buildings
- Slaked for many years
- Deep light effect
- Mould resistant due to alkalinity
- Capillary active

Colours

Lime White

Can be tinted in pastel colours with BEECK Full Colour Lime Concentrate (max. 20 %)

Container size

6 kg / 18 kg

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	approx. 1.27 kg/L
pH-value:	11
Organic content:	0 %
Application rate:	approx. 0.05 kg/m ² per pass on a smooth substrate



Calcidin

Modified Soaked Marble Lime paint with high hiding power

Intended use

User-friendly, organically modified lime wash paint for lime-compatible, firm substrates. Universal, opaque and high yield use. For exterior application, such as on the façades of listed buildings, always test product on the original substrates first. Unlike silicate paints, premature bronzing due to the chalking typical for lime.

Properties

- Efficient
- Low tension
- Painter and decorator friendly
- Non vapour retarder
- Mould resistant due to alkalinity

Colours

Lime White

Can be tinted in pastel colours with BEECK Full Colour Lime Concentrate (max. 20%).

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.03 m
Density (20°C):	1.25 kg/L
pH-value:	11
Organic content:	approx. 3 %
Application rate:	approx. 0.12 L/m ² per pass on a smooth substrate



Calcidin

Soaked Marble Lime paint for lime plasters in interior areas

Intended use

Marble lime paint slaked for many years for lime-compatible interior substrates, for renovations and church painting. Modified, without using synthetic resins, to increase wipe resistance and hiding power. Sets through the chemical carbonization process. Attractive lusted lime effect. Does not form high-tension excessive coat thickness, even if painted over many times.

Properties

- Ready-to-use
- Hiding power if several coats are applied
- Low chalking
- Mould resistant due to alkalinity
- Non vapour retarder

Colours

Lime White

Can be tinted in pastel colours with BEECK Full Colour Lime Concentrate (max. 20%).

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.03 m
Density (20°C):	approx. 1.16 kg/L
pH-value:	11
Organic content:	approx. 1 %
Application rate:	approx. 0.11 L/m ² per pass on a smooth substrate



Full Colour Lime Concentrate

Lightfast mineral pigments, mixed as paste in Soaked Marble Lime

Intended use

Finely ground mineral pigments slaked and dispersed in Soaked Marble Lime. For pastel tinting of BEECK Lime Wash and Lime Casein Paint for interior areas, such as for church painting. Maximum added quantity: 20 %. Can also be used for full colour fresco painting on freshly felled lime plasters.

Properties

- Maximum lightfastness
- Shading suitable for listed buildings
- Deep light effect
- High yield
- Mould resistant due to alkalinity
- Fully compatible with lime

Colours

Black, Umber, Ochre Yellow, Maize Yellow, Lemon Yellow, Green, Cobalt Blue, Ultra Blue, Wine Red, Oxide Red and Brown, see BEECK Mineral Paints Colour Card. Addition to BEECK Lime Wash or Lime Casein Paints (max. 20 %).

Container size

0.75 L / 5 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.12 – 1.33 kg/L
pH-value:	11
Organic content:	< 2 %
Application rate:	approx. 0.02 L/m ² per pass, pretest!



BEECK Silicate Primers

Primers fulfil diverse tasks and are as varied in their use as the substrates they are used to coat.

BEECK Fixative consolidates porous, mineral building materials. On water repellent substrates BEECK MBA-Fixative is the first choice. BEECK Silane Primer acts as a water-repellent special primer for critical substrates such as brick and natural stone, while thanks to its excellent adhesion, BEECK Bonding Coat, whether Fine or Coarse, also makes weak silicification substrates accessible for mineral paint coatings. BEECK Quartz Filler is a slurring primer that reliably bridges hairline cracks and minor structural defects. As a slurring additive for silicate paints, BEECK Quartz Filler P in powder form can be used universally.

Reference:
Fortress Königstein



MBA-Fixative

Special fixative for weakly wettable substrates and for BEECK glazing technique



Intended use

Priming and strengthening of porous mineral substrates, including those with a water-repellent surface or partially organic character, such as insulating plasters or existing coats which cannot be completely removed. Also as a glaze binder for BEECK Silicate Glazes on render, plaster and fair-faced concrete.

Properties

- Optimum substrate adhesion
- Can be colour-glazed with BEECK Powdered Pigment
- Interior and exterior areas
- Mould resistant due to alkalinity
- Free from biocides

Colours

Milky, transparent after drying

Container size

1 L / 5 L / 10 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.16 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.03 – 0.04 L/m ² per pass, pretest!



Fixative

Priming and binder for BEECK Silicate Paints including BEECK Pure Crystalline Finish



Intended use

Potassium water glass as binder, free from organic content to VOB/DIN 18363 2.4.1. Primer and thinner for BEECK Silicate Paints. Forms an inseparable microporous unit by means of silicification with the mineral substrate such as plaster, natural stone or concrete. As a strengthening primer for absorbent, chalking and crumbling substrates.

Properties

- Pure mineral
- Ideal building physics properties
- Moisture regulating
- UV resistant
- Optimum long lives
- Mould resistant due to alkalinity
- Full building biology compatibility

Colours

Colourless/transparent

Container size

1 kg / 5 kg / 10 kg / 30 kg

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.01 m
Density (20°C):	1.16 kg/L
pH-value:	11
Organic content:	0 %
Application rate:	approx. 0.04 kg/m ² on a smooth substrate for priming



Base V

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



Intended use

Thickened potassium water glass with low organic content to VOB/DIN 18363 2.4.1. 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.

Properties

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

Colours

Milky when wet.

Container size

1 L / 5 L / 10 L

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	1.15 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	as a primer approx. 0.04 L/m ² . For glazing techniques, it is up to approx. 0.05 L/m ² and glaze coat.

NEW



Quartz Filler

Fibre-reinforced priming coat for opaque or glazed silicate systems



Intended use

Slurrying, natural white textured coating for levelling out mineral substrates and for bridging hairline cracks and structural defects. Coat the whole surface of made-good façades with BEECK Quartz Filler. Application with the Mineral Paint Brush.

Properties

- BEECK ASF® ActiveSilicateFormulation
- Filling
- Bridges hairline cracks and structural defects
- Attractive, brushed surface
- Glaze primer for BEECK Concrete/Stone Glaze
- Ideal building physics properties
- Thin with BEECK Fixative

Colours

Natural white opaquely pigmented

Container size

8 kg / 20 kg

Technical data:

W ₂₄ -value:	0.30 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.02 m
Density (20°C):	1.56 kg/L
pH-value:	11
Organic content:	< 5 %
Application rate:	approx. 0.25 – 0,40 kg/m ² ; pretest!



Bonding Coat Fine

Siliceous primer coating without texture grain as bonding agent

Intended use

Silicification bridge in interior and exterior areas on firm substrates such as stucco, concrete, fibrated cement or highly adherent, existing synthetic resin-based coatings. Further treatment with one-pack BEECK Silicate systems such as BEECKOSIL.

Properties

- Highly adherent
- Also on substrates with weak silicification
- Solvent free
- Without texture grain
- White Pigmented
- Water thinnable

Colours

Natural white pigmented

Container size

5 L / 12.5 L

Technical data:

W ₂₄ -value:	0.10 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.10 m
Density (20°C):	1.40 kg/L
pH-value:	11
Application rate:	approx. 0.14 L/m ² per pass on a smooth substrate



Quartz Filler P

Slurrying additive in powder form for BEECK Silicate Paints for primer and intermediate coats



Intended use

Fibre-reinforced powdered component for increasing the slurrying effect and bridging cracks. Can be universally used for BEECK Silicate Paints including BEECK Pure Crystalline Finish. As slurry additive: thoroughly mix one 4kg bag of BEECK Quartz Filler P in a 12.5 L bucket (e.g. BEECKOSIL Fine) and adjust with 2 to 4 kg BEECK Fixative until it is ready for coating.

Properties

- Fine grained, fibre-reinforced
- Active silicate powdered component
- Bridges hairline cracks coats
- Diffused light effect
- Ideal building physics properties
- For primer and intermediate
- Topcoat with "Fine"

Colours

Light Grey, subtle colouring

Container size

4 kg/8 kg/25 kg

Technical data:

W ₂₄ -value:	> 1.00 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.01 m
Density (20°C):	approx. 1.50 kg/L
pH-value:	9
Organic content:	< 5 % (fibres!)
Application rate:	0.05 – 0.12 kg/m ² ; pretest!



Bonding Coat Coarse

Silicate bonding agent with fine textured grain for substrates with weak silicification

Intended use

Universal primer coat with fine grained texture. Suitable for mineral plasters, external thermal insulation composite systems, gypsum and fibrated cement. Ensure uniform particle-size distribution when using on smooth substrates. Further treatment with one-pack silicate systems or plasters.

Properties

- Bonding agent
- Texture grain (0.4 mm)
- Optimum silicification of subsequent coats
- Finely slurrying
- Brightening up of smooth substrates
- White pigmented
- Water thinnable
- Solvent free

Colours

Natural white pigmented

Container size

8 kg/20 kg

Technical data:

W ₂₄ -value:	0.10 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.10 m
Density (20°C):	1.53 kg/L
pH-value:	11
Application rate:	approx. 0.23 kg/m ² per pass on a smooth substrate

BEECK Building Preservatives

Mineral building materials outdoors are exposed to diverse weathering. Rainwater results in increased building material moisture with all the associated harmful mechanisms such as corrosion, frost splitting, algae growth and the activation of structurally harmful salts.

The combination of durable silicate coatings with pore hydrophobic silicon organic building preservatives has proven its worth for decades. BEECK SP Plus protects façades made of render, concrete and natural stone to achieve long-term conservation. BEECK Natural Stone Hardener OH finally consolidates crumbling façade building materials and is especially valuable for the restoration of historical sandstone buildings.

Reference:
Theater in Bielefeld



© BEECK'sche Farbwerke



Silane Primer

Water-repellent primer for efflorescent mineral substrates of façades

Intended use

Deep penetrating primer containing solvents based on organic silicon components. Suitable for porous mineral building materials such as brick, natural stone, calcium silicate masonry, mineral render or concrete. Equally suitable for alkaline or chemically neutral reacting substrates. Test on sample surface first to check effectiveness. Saturating application using the flow coating process. For commercial users only.

Properties

- Deep action hydrophobic porous lining
- Non vapour retarder
- Prevents capillary water transport
- Protects against drenching
- Prevents activation of water soluble salts
- Non consolidating/strengthening
- Highly alkali-resistant

Colours

Colourless/transparent

Container size

5 L / 10 L

Technical data:

W ₂₄ -value:	0.05 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	0.79 kg/L
Application rate:	approx. 0.3 – 0.8 L/m ² , to be determined by applying on a test surface



SP Plus

Highly alkaline resistant, long-term preservation of mineral façades

Intended use

Permanent hydrophobing of porous mineral building materials in the façade area, suitable for render, natural stone, brick and concrete. Applied by flow coating until saturated. Also for the subsequent hydrophobing of BEECK Active Silicate Paints such as BEECK Pure Crystalline Finish or BEECK Concrete/Stone Glaze. In this combination, provides optimum contemporary building protection, verifiable by long-term references!

Properties

- Long-term deep action preparation
- Keeps the coating and the façade clean
- Protects against moisture and building material corrosion
- For alkaline and also chemically neutral substrates
- Ideal building physics properties
- Maintains value and preserves
- For commercial users only

Colours

Colourless/transparent, not visually perceptible in dry weather conditions

Container size

5 L / 10 L / 28 L

Technical data:

W ₂₄ -value:	< 0.03 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	0.03 m
Density (20°C):	approx. 0.79 kg/L
Application rate:	approx. 0.25 – 0.8 L/m ² ; to be determined by applying on a test surface



Natural Stone Hardener OH

Silicic acid ester preparation for the consolidation and strengthening of porous bricks and natural stone

Intended use

Penetrates deep into the crumbling, leached out building material and results in controlled consolidation and strengthening of the stone and joint by depositing mineral silica gel. Can be subsequently coloured, for example with BEECK Concrete/Stone Glaze. For commercial users only. Test on sample surface on site first to check effectiveness on building. Subsequent hydrophobing with BEECK SP Plus is possible.

Properties

- Mineral binder deposition (silica gel)
- Without water repellency („OH“)
- High water vapour permeability
- Rewash with solvent

Colours

Colourless-transparent to slightly yellowish. Test on site on building first for possible colour intensification.

Container size

5 L / 30 L

Technical data:

W ₂₄ -value:	> 0.50 kg/(m ² h ^{1/2})
s _d -value (H ₂ O):	< 0.08 m
Density (20°C):	1.00 kg/L
Solvent content:	99%
Application rate:	approx. 0.5 – 10 L/m ² ; to be determined by applying on a test surface



Formwork Oil Remover

Water-thinnable cleaning concentrate for removing release agent residues from concrete

Intended use

Concentrated, powerful special cleaner for removing spurious release agents (formwork release oil or wax) on new or un-treated, interior or exterior concrete surfaces. Efficient as an additive for high-pressure (jet) cleaning equipment, if necessary it can also be applied with a brush, e.g. in interior areas. Used for pore-deep cleaning of concrete walls and ceilings, to which an opaque or glazed coating of BEECK silicate paint is then applied.

Properties

- Pore-deep cleaning capacity
- High-yield concentrate
- With no acid attack on mineral building materials
- Creates coating-compatible substrates
- Does not leave any cleaning film behind
- Can be washed off with clean water
- Biodegradable

Colours

Yellow dyed

Container size

1 L / 5 L / 10 L

Technical data:

Density (20°C):	1.00 kg/L
pH-value:	9 – 10
Application rate:	approx. 0,01 – 0,02 L / m ² BEECK Formwork Oil Remover depending on the dilution ratio used and the degree of soiling



Paint Stripper

Effective stripper for the removal of existing lacquer, latex and emulsion paints

Intended use

Paint stripper for the removal of coats from mineral substrates. Suitable for the removal of old synthetic resin based film-forming coats, special emulsion paints, on façades. Multilayer application for thick-layered, multilayered paint crusts. Can also be used on interior areas if good ventilation is provided. Can also be used for removing layers of coating from wood and metal. Test for effectiveness in advance.

Properties

- Thixotropically adjusted
- Does not damage mineral building materials
- No neutralisation required
- Free from aromatic and chlorinated hydrocarbons

Colours

No colouring

Container size

0.75 L / 5 L / 10 L / 25 L

Technical data:

Density (20°C):	1.05 kg/L
pH-value:	8-9
Application rate:	approx. 0.5 L / m ² per pass



Etching Fluid

Acidic concentrate for sinter skin removal on new renders

Intended use

Aqueous acidic solution of fluorosilic acids for the removal of lime sinter layers on new mineral renders. Suitable for lime and lime cement renders in exterior areas. Can also be used to clean existing sintered renders. Not for use on external thermal insulation composite systems, thin renders, synthetic resin renders and gypsum. Acidic, corrosive concentrate, for commercial users only.

Properties

- Reliable against sinter skin
- Creates porous, low tension substrates
- No neutralisation required
- Optimum silicification of subsequent silicate coats
- Reduces absorbency and staining
- Concentrate, to be thinned with 3 parts water

Colours

Colourless or tinted Pink

Container size

5 L / 10 L

Technical data:

Density (20°C):	1.20 kg/L
pH-value:	1 (unthinned)
Application rate:	approx. 0.02 L/m ² BEECK Etching Fluid



Fungicide

Aqueous biocidal solution for the protection of mineral façades

Intended use

Biocidal protection against lichens, algae and mould on mineral façades and external thermal insulation composite systems. Optimum long-term effect on hydrophobic, microporous building materials which are not directly exposed to dirt and driving rain. Product suitability and an optimum, careful cleaning process should be tested first on site before use on the building. Only for commercial users and for use on exterior areas (façades).

Properties

- Wide range of effects
- Free from organic solvents
- Effective cleaning
- Protects against reinfestation
- Alkali resistant

Colours

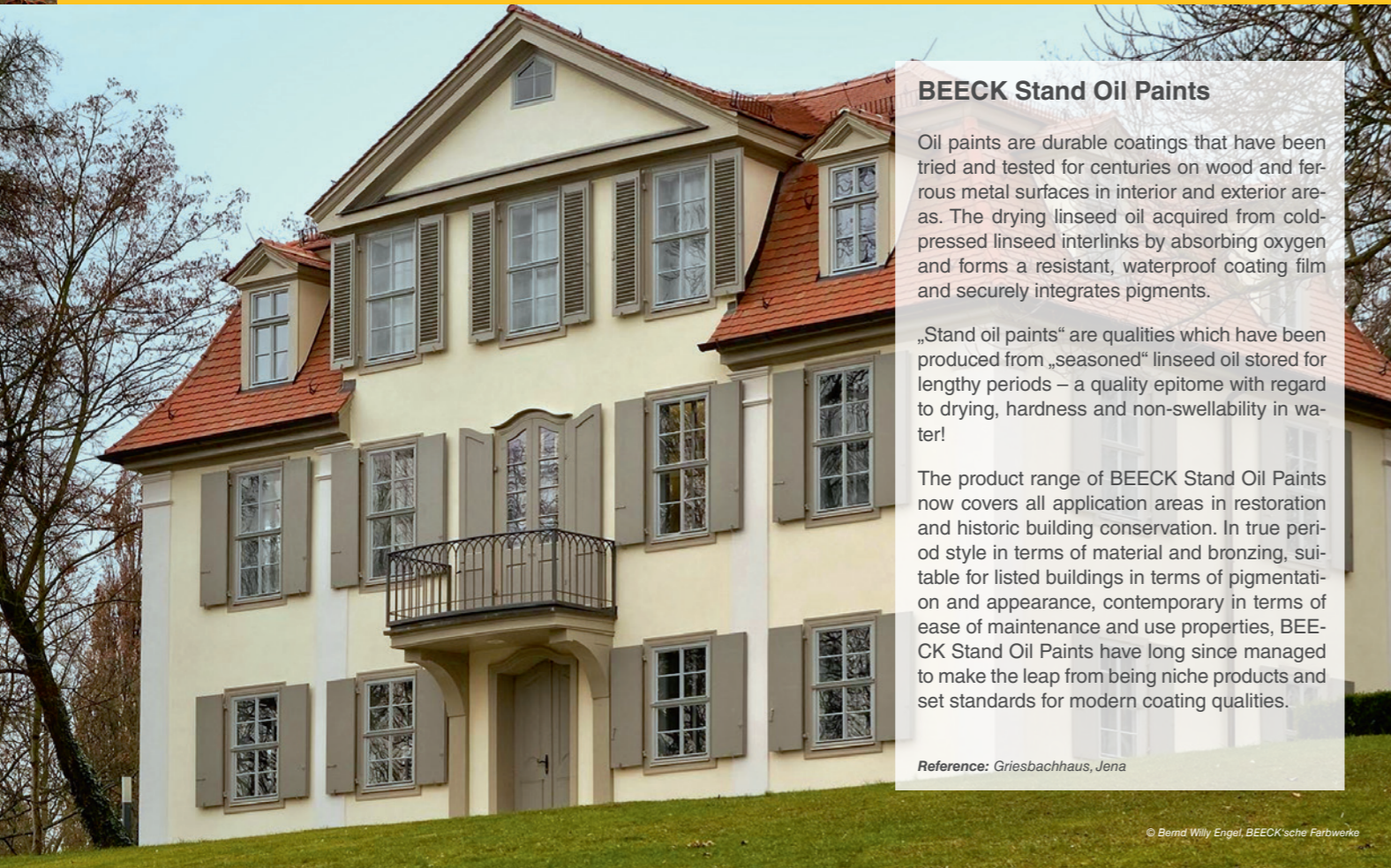
Colourless

Container size

5 L / 10 L

Technical data:

Density (20°C):	1.00 kg/L
pH-value:	6
Application rate:	approx. 0.15 - 0.20 L / m ² for cleaning and follow-up treatment



BEECK Stand Oil Paints

Oil paints are durable coatings that have been tried and tested for centuries on wood and ferrous metal surfaces in interior and exterior areas. The drying linseed oil acquired from cold-pressed linseed interlinks by absorbing oxygen and forms a resistant, waterproof coating film and securely integrates pigments.

„Stand oil paints“ are qualities which have been produced from „seasoned“ linseed oil stored for lengthy periods – a quality epitome with regard to drying, hardness and non-swellability in water!

The product range of BEECK Stand Oil Paints now covers all application areas in restoration and historic building conservation. In true period style in terms of material and bronzing, suitable for listed buildings in terms of pigmentation and appearance, contemporary in terms of ease of maintenance and use properties, BEECK Stand Oil Paints have long since managed to make the leap from being niche products and set standards for modern coating qualities.

Reference: Griesbachhaus, Jena

© Bernd Willy Engel, BEECK'sche Farbwerke



Interior Stand Oil Paint Satin Matt

Opaquely pigmented hard resin stand oil lacquer for wood and ferrous metals

Intended use

Abrasion resistant, old style linseed oil + hard resin lacquer, preferably for interior doors, furniture, wall and ceiling panelling. Style and material compatible for listed buildings and restoration. Also for the renovation of firmly adherent oil and alkyd resin lacquers.

Properties

- Highly adherent and abrasion-resistant
- Sorption capacity and diffusible
- Non flaking
- Earthy coloration suitable for listed buildings
- High yielding

Colours

10 standard colours and 146 colours of the BEECK Stand Oil Colour Card. Can be mixed together as required.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	satin matt
s _v -value (H ₂ O):	< 0.50 m
Density (20°C):	approx. 1.25 kg/L (depending on colour)
Solids content:	approx. 77 % (high solid)
Application rate:	approx. 0.08 L/m ² per pass



Exterior Stand Oil Paint

Resin free, rich oil lacquer for woodwork exposed to weather conditions

Intended use

Mixture of boiled down linseed oil and stand oil containing finely ground mineral pigments with excellent durability and maintenance friendliness in exterior areas. True to traditional oil paint formulas, it does not tend to flake or become brittle, even under severe weather conditions. Suitable for both dimensionally stable (windows, external doors) and dimensionally unstable or conditionally stable wood-work (panelling, folding shutters, half-timbering, trusses).

Properties

- High UV protection
- Non flaking
- Moisture regulating
- Maintenance friendly
- High solid
- Suitable for listed buildings

Colours

10 standard colours and 146 colours of the BEECK Stand Oil Colour Card. Can be mixed together as required.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	silk gloss
s _v -value (H ₂ O):	≤ 0.50 m
Density (20°C):	approx. 1.20 kg/L (depending on colour)
Solids content:	approx. 78 % (high solid)
Application rate:	approx. 0.08 L/m ² per pass



Interior Stand Oil Paint Glossy

Opaquely pigmented hard resin stand oil lacquer for wood and ferrous metals

Intended use

Abrasion resistant, old style linseed oil + hard resin lacquer, preferably for interior doors, furniture, wall and ceiling panelling. Style and material compatible for listed buildings and restoration. Also for the renovation of firmly adherent oil and alkyd resin lacquers.

Properties

- Highly adherent and abrasion-resistant
- Sorption capacity and diffusible
- Non flaking
- Earthy coloration suitable for listed buildings
- High yielding

Colours

10 standard colours and 146 colours of the BEECK Stand Oil Colour Card. Can be mixed together as required.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	glossy
s _v -value (H ₂ O):	≤ 0.50 m
Density (20°C):	approx. 1.25 kg/L (depending on colour)
Solids content:	approx. 77 % (high solid)
Application rate:	approx. 0.08 L/m ² per pass



Undercoat

White matt linseed oil base coat for wood and metal

Intended use

Opaque white, filling undercoat for lacquering wood, wood-based materials and lacquering ferrous metals in interior and exterior areas. For dimensionally stable and dimensionally unstable wood. Also on firm pretreated existing coats of oil and alkyd resin based coatings. Further treatment with BEECK Exterior Stand Oil Paint or BEECK Interior Stand Oil Paint, white or tinted.

Properties

- Highly adhesive, non flaking
- Opaque white matt
- High solid
- Diffusible
- Low tension
- Easy to use

Colours

White.
Can be tinted with coloured lacquers (20 %) for colourful topcoat.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	matt
Density (20°C):	1.36 kg/L
Solids content:	approx. 77 % (high solid)
Application rate:	approx. 0.08 L/m ² per pass



Oil Primer

Universal oil primer for absorbent wood

Intended use

Resin linseed oil primer for rough, absorbent woodwork. Can be equally used for dimensionally stable, dimensionally unstable and conditionally stable hardwood and softwood, such as windows, external doors, panelling and half-timbering or trusses. Not for tropical wood, test before using on oak. Further treatment with BEECK Undercoat, BEECK Exterior Stand Oil Paint / Interior Stand Oil Paint or with BEECK Stand Oil Wood Glazes.

Properties

- Outstanding penetration power of "creeping" linseed oil molecules
- Moisture regulating
- Highly diffusible
- Also for half-timbering
- Non flaking
- Suitable for listed buildings to traditional formulas

Colours

Transparent; decorative colour intensification on light-coloured woods

Container size

0.25 L / 1 L / 3 L / 10 L / 30 L

Technical data:

Density (20°C):	approx. 0.88 kg/L
Viscosity:	approx. 57 sec. / 3 mm flow cup ISO 2431
s _d -value (H ₂ O):	< 0.50 m
Application rate:	approx. 0.08 L / m ² on planed softwood



Corrosion Protection Primer

Corrosion protection primer for ferrous metals and steel

Intended use

Passivating, corrosion-inhibiting primer coat based on linseed oil and micaceous iron ore for iron and steel. Thoroughly grind or blast iron metals until they are bright, then apply one or two coats of BEECK Corrosion Protection Primer. Further treatment with BEECK Undercoat, topcoat with BEECK Exterior Stand Oil Paint (exteriors) or BEECK Interior Stand Oil Paint (interiors). Cannot be used in a highly corrosive climate, on non-ferrous metals or galvanized sheet steel!

Properties

- Linseed oil with creep capability
- Corrosion inhibiting
- Suitable for listed buildings
- Does not contain toxic heavy metals
- Highly adherent, non flaking
- Not for zinc, copper or aluminium

Colours

Grey-Brown. Further treatment with BEECK Undercoat, White.

Container size

0.25 L / 0.75 L / 3 L

Technical data:

Gloss level:	matt
Density (20°C):	1.40 kg/L
Solids content:	approx. 80 % (high solid)
Application rate:	approx. 0.08 L/m ² per pass



Wood Primer

Oil primer for absorbent wood in interior.
Free from active ingredients

Intended use

BEECK Wood Primer is suitable for priming raw, absorbent wood indoors. Preferably to be used for stylish restoration of furniture, internal doors, wall and ceiling panellings e.g. in listed buildings. Further treatment with BEECK Undercoat, BEECK Interior Stand Oil Paints or Interior Stand Oil Wood Glazes.
For wood in exterior please use BEECK Oil Primer.

Properties

- Outstanding penetration power of "creeping" linseed oil molecules
- Moisture regulating
- Highly diffusible Non film-forming
- Water-repellent and moisture regulating
- Ideal for absorbent wood work in listed buildings

Colours

Transparent; decorative colour intensification on light-coloured woods

Container size

0.25 L / 1 L / 3 L / 10 L

Technical data:

Density (20°C):	approx. 0.88 kg/L
Viscosity:	approx. 57 sec./3 mm flow cup ISO 2431
s _d -value (H ₂ O):	< 0.50 m
Application rate:	approx. 0.08 L/m ² on planed softwood

NEW

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BEECK Stand Oil Wood Glazes

The wish for transparent, surface treatment of exposed wood often conflicts with poor durability and rapid weathering in exteriors. With their pure mineral, highly UV resistant pigmentation, BEECK Stand Oil Wood Glazes lend the best possible protection against weathering. Their low tendency to flake and the extremely thin layered application method make the coatings efficient and maintenance friendly. The oil molecules of the stand oil wood glazes anchor themselves deep in the wood. Absorbent, good gripping wood such as half-timbered buildings and rough-sawn formwork form an ideal substrate for oil-based wood glazes.

Reference: City hall in Waltershausen



Interior Stand Oil Wood Glaze

Satin matt, diffusible stand oil wood glaze

Intended use

Subdued satin matt wood finish in 17 glazed colours as well as colourless for decorative exposed wood in interior areas. Suitable for wood and ceiling linings, panels, interior doors and furniture fronts. Also in kitchens and wet rooms outside of the spray water range and without intensive mechanical stresses.

Properties

- Attractive, stain-like finish
- Moisture regulating
- Lightfast and durable
- For restoration of listed buildings
- Easy to use
- High yielding and efficient

Colours

17 standard colour tones of the BEECK Wood glaze Colour Card, plus colourless. Can be mixed together as required. The wood's natural colour also determines the final colour.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	satin matt
s _v -value (H ₂ O):	< 0.50 m
Density (20°C):	approx. 0.95 kg/L (depending on colour)
Viscosity:	approx. 36 sec. / 3 mm flow cup ISO 2431
Application rate:	approx. 0.07 L / m ² per pass



Exterior Stand Oil Wood Glaze

Coloured glazing treatment of exposed wood

Intended use

Waterproof, resin-free stand oil boiled down mixture with finely ground mineral pigments, silk gloss finish. 15 standard colours for dimensionally stable, conditionally or dimensionally unstable woodwork such as windows, external doors, panelling and half-timbering and trusses. Ensure constructive wood preservation and wood quality free from blue stain.

Properties

- Weatherproof with high UV protection
- Non flaking
- Bronzing due to matt effect
- Maintenance-friendly preservation
- High yield
- Diffusible
- Moisture regulating
- Ideal for woodwork in listed buildings

Colours

15 standard colour tones of the BEECK Wood glaze Colour Card. Can be mixed together as required. The wood's natural colour also determines the final colour.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	silk gloss
s _v -value (H ₂ O):	≤ 0.50 m
Density (20°C):	approx. 0.95 kg/L (depending on colour)
Viscosity:	approx. 36 sec. / 3 mm flow cup ISO 2431
Application rate:	approx. 0.07 L / m ² per pass



Lacquer Thinner

Solvent and thinner for BEECK Stand Oil Paints

Intended use

Thinner especially matched to BEECK Stand Oil Paints, Primers and Stand Oil Wood Glazes. For adjusting the application viscosity as well as for cleaning tools and degreasing substrates.

Properties

- High dissolving power
- Mild odour
- Universal for stand oil systems

Colours

Transparent

Container size

1 L / 3 L / 10 L

Technical data:

Density (20°C):	approx. 0.77 kg/L
Solvent content:	100 %



BEECK Product use:
Beekosil Coarse, Beekosil Fine.

Reference:
Privat Property in Brims Park, Bodmin, Cornwall, England



BEECK Oleith silicate wood treatment

For centuries, lime and water glass paints have also been used for wood preservatives, such as in half-timbered buildings. They retard weathering, inhibit combustibility and protect against harmful insects. Recent architectural trends have focused on the aesthetic quality of mineral coated wood. This trend has played a prominent role in the design – with wood used on large projects for facade cladding, noise and visual protection walls. The aesthetic appearance of mineral coated wood is a pleasant contrast to the greasy, glossy wood lacquers and resin-based glazes. With BEECK Oleith, a silicate coating system is now available for rough wood; it can be used on both interior and exterior areas.

Reference:
Wooden houses Niedersynderstedt in Thuringia

© Bernd Willy Engel, BEECK'sche Farbwerke



Oleith Primer

Water inhibiting primer in the BEECK Oleith system for façade wood

Intended use

White-matt glazing primer, free from synthetic resins, based on pure bodied linseed oil. Especially used for priming raw wooden laggings and timbering on facades with a rough-sawn surface. 1 to 2 priming coats with BEECK Oleith Primer. Further treatment with BEECK Oleith Top in covering tinted coatings. After pretest, BEECK Oleith Primer could also be used as a bridging primer on old dull oil or alkyd resin based coatings.

Properties

- Use on façade
- Hydrophobic
- Solidifying properties reduce wood shrinking and discoloration
- Highly diffusible and moisture regulating
- Does not tend to flake off even under severe weathering conditions
- Ideal silicification bridge for BEECK Oleith Top

Colours

Glazing white.

Container size

0.25 L / 0.75 L / 3 L / 10 L

Technical data:

Gloss level:	silk gloss
s _w -value (H ₂ O):	< 0.50 m
Density (20°C):	approx. 1.02 kg / L
Viscosity:	approx. 36 sec./3 mm flow cup ISO 2431
Application rate:	approx. 0.07 L/m ² , the quantity required for planed wood approx. 0.12 L/m ² per pass on rough-sawn wooden laggings



Oleith Top

Mineral matt finish for wooden laggings on facades

Intended use

Decorative covering wood coating tinted with pure mineral pigments. Especially used for wooden laggings and timbering on facades with a rough-sawn surface. Protects soft wood from weathering and greying caused by UV- radiation and keeps the façade colourful and attractive. For dimensionally stable wood (windows, external doors), folding shutters and half-timber: please use BEECK Exterior Stand Oil Paints.

Properties

- Use on façade
- Aesthetic mineral matt finish
- Absolutely lightfast even in full colour shadings ("Falun red")
- Can be coated over practically unlimited without grinding
- Weathering by gentle chalking
- Water inhibiting, diffusible, and capillary active
- Solidifying and flame-retardant by silicification of wood surface

Colours

Natural white, 200 colours incl. full tones colours approximated to BEECK Mineral Paint Colour Card.

Container size

1 L / 5 L / 10 L

Technical data:

s _w -value (H ₂ O):	< 0.10 m
Density (20°C):	approx. 1.40 kg/L
pH-value:	11
Flammability class:	A2 nonflammable
Application rate:	approx. 0.15 L/m ² per pass, pretest!

NEW



Silicate Filler

Levelling filler for surface filling on mineral façades

Intended use

Fine silicate filler for full surface application on firm, mineral substrates, interior or exterior, especially for cement and lime cement plaster or render, fair-faced masonry and concrete with hairline cracks and minor structural defects. Overcoat the silicate filler, preferably with BEECK Quartz Filler or „coarse“ silicate coatings.

Properties

- Durable and robust
- Low shrinkage
- Bridges hairline cracks if used with glass mesh reinforcement
- Economical and efficient
- Non-flammable
- Highly water vapour and CO₂ permeable
- Not thermoplastic
- Free from solvents, plasticisers and biocides
- Natural alkalinity helps to prevent bacteria and mould

Colours

Natural white

Container size

25 kg

Technical data:

W ₂₄ -value:	> 0.50 kg/(m ² h ^{1/2})
s _w -value (H ₂ O):	0.08 m
Density (20°C):	approx. 1.80 kg/L
pH-value:	11
Application rate:	approx. 1.80 kg/m ² per mm coat thickness on a smooth substrate



BEECK Tools

Mineral paint brushes and oval brushes are the right handtools for professional use of lime wash, silicate and casein paints. BEECK Flat Brushes have proven to be ideal for stand oil paints and wood glazes and produce streak-free coatings with optimum spreading.

Reference:
Meylandstraße Murten, Switzerland

© Thymos AG, Switzerland



Mineral Paint Brush

Robust, special brush for applying mineral paints

Intended use

Mineral Paint Brush for efficient application of lime wash and silicate paints including BEECK Pure Crystalline Finish. Also ideal for slurry primer coats, such as BEECK Quartz Filler, on smooth and rough surfaces as well as for brushing into hairline cracks. Efficient for large surface silicate glazing techniques on façades, on screen walls and noise barriers. Effort-saving, ergonomically shaped handle, combined with the high paint absorption of the alkali-resistant, abrasion-proof natural bristles. A must-have for professionals and do-it-yourselfers for efficient and professional application of mineral paints!

Properties

- Raw wood handle with brass thread and metal mount



Oval Brush

Easy to handle special brush for wall glazing techniques

Intended use

Oval shaped distemper brush for watercolour-like glazing, creative design and decorative painting in interior and exterior areas with silicate, casein and lime wash paints. Ideal for smaller wall surfaces. Enables fatigueless, precise glazing due to its low weight and easy-to-handle brush format. Alkali-resistant and abrasion-proof natural bristles guarantee high paint absorption. Equally efficient for smooth and rough substrates. A must-have for finely shaded, polychrome colour levelling, retouching and visually appealing wiping and glazing techniques.

Properties

- Raw wood handle with brass thread and metal mount



Flat Brushes

Special brushes for oil paints

Intended use

Sturdy flat brushes for fast and efficient application of standard oil paints, stand oil wood glazes and oil primers on wood and metal. The combination of synthetic fibres and natural bristles enables a high degree of paint absorption, good brushability and optimum spreading on smooth, rough and even profiled substrates. Highly efficient on high-grip, large area substrates such as rough-sawn wood panelling and half-timbering or truss beams. Solventresistant, abrasionproof and leave no residues when cleaned – for professionals and do-it-yourselfers.

Properties

- Beaver's tail raw wood handle
- Brass mount

Size

30 mm Size
50 mm Size
80 mm Size



Mineral Colour Chart

200 colours for contemporary colour design for use on mineral building materials, suitable for listed buildings.
Handy colour block produced with a lacquer printing process

BEECK Mineral colour chart is a representative aid for architects, skilled trades and restorers. With its 7 x 16.5 cm size, it fits perfectly in the hand and enables easy determination of the colour on site. A special grain (granulate) has been added to the colours in a complicated printing method. This ensures the realistic matt effect of the colours.

All colours on the BEECK Mineral colour chart are available ready-mixed in the factory. Please refer to the individual product information for possible product-specific limitations. HBZ = brightness value. State-of-the-art colorimetry enables constant, reproducible shading. Minor colour differences can be caused by raw material influences, the texture and absorbency of the substrate, by diffused light effects and subjective colour perception. They do not constitute grounds for complaint. Please test the colour on a sample surface before use.

Full colour

White	C-102-1
Off-White	C-101-1
Black	C-655-1
Umber	C-652-1
Ochre Yellow	C-651-1
Maize Yellow	C-661-1
Lemon Yellow	C-658-1
Green	C-656-1
Cobalt Blue	C-659-1
Ultra Blue	C-657-1
Wine Red	C-660-1
Oxide Red	C-654-1
Brown	C-653-1

Ready-mixed colours

Price groups I-IV C-103-1 – C-350-1

Notes:



Mineral Colour Card

The 200 colours of the BEECK Mineral colour chart as colour fields in a practical overview

The Mineral Colour Card in A4-format have been printed with a 6-sided letter fold and separate flap on 300 gram matt coated paper. The Mineral colour card contains a total of 200 readymixed colours for the design of interior and exterior walls. 11 full colour paints and 2 whites are included separately. The colour name and the brightness value are shown separately for each colour box. This makes it easier for you to assign the colour.

A special grain (granulate) has been added to each colour field (1.6 x 2.1 cm) for a representative display of the colours. This ensures the realistic matt effect of the colours.

Full colour

White	C-102-1
Off-White	C-101-1
Off-White light	C-100-2
Black	C-655-1
Umber	C-652-1
Ochre Yellow	C-651-1
Maize Yellow	C-661-1
Lemon Yellow	C-658-1
Green	C-656-1
Cobalt Blue	C-659-1
Ultra Blue	C-657-1
Wine Red	C-660-1
Oxide Red	C-654-1
Brown	C-653-1

Ready-mixed colours

Price groups I-IV C-103-1 bis C-350-1

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