

BEECK Clay Protect

Highly water vapour permeable reversible clay coating based on a natural binder. Even after a long time can be removed again with warm water without the use of chemicals

1. Product Properties

Open-pored, easy-to-apply wall paint, ideal for clay in living areas as well as in monuments and historical buildings. Produces smudge-proof coats with a noble, cloth-matt, mineral character. The healthy living and physical properties of clay are retained. Available in white and ready mixed in a practically unlimited variety of colours.

1.1. Composition

- Renewable vegetable oils and resins, emulsified in water
- Natural kaolins (porcelain clays) and fine marble flours as white matt fillers
- Lightfast mineral pigments for earthy tinted paints, white pigment titanium dioxide for high hiding power
- Solvent-free, mild odour and free from film preservatives

1.2. Technical properties

1.2.1. Overview

- Indoor application
- Ideally matched to healthy clay substrates in terms of building physics
- Open to diffusion and permeable to water vapour
- Earthy, natural colour palette, light and colourfast in all mineral shades
- Non-chalking, can be renovated for several times in the system
- Antistatic, non-flammable

1.2.2. Important building physics characteristics*

Parameter	Value	Conformity
Density 20°C:	1.35 – 1.45 kg / L	
pH value 20°C:	9 - 10	
Dynamic viscosity 20°C:	approx. 3,500 mPas	
S _d value (H ₂ O):	0.03 m	
Hiding power / Contrast ratio:	Class 2	EN 13300
Grain size:	fine	EN 13300
Gloss level 60°:	dull matt	EN ISO 2813
Flammability class:	A2 nonflammable	EN 13501-1, DIN 4102
VOC content (max.):	< 0.1 g / L	ChemVOCFarbV Cat. A / a

* applicable to White

1.2.3. Colour

- White, Off-White and ready-mixed in the 200 colours inclusive full colours of the BEECK Mineral Paint Colour Chart. Additional in a large range of colour shades. Colour groups: I – IV

2. Use

2.1. Substrate requirements

- The substrate must be clean, dry, firm and load-bearing and free from separating and efflorescent substances (e.g. salts, rust stains). Substrates with moisture damage, efflorescence and salt contamination must be repaired. Check plaster for drying and strength.
- Carefully repair chippings and defects in the same type and structure.
- On visually demanding surfaces, ensure uniform substrates and careful application.

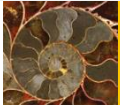
2.2. Brief information on the standard system

- Apply two coats of BEECK Clay Protect, white or tinted.
- Prime absorbent, sandy and friable but load-bearing substrates with BEECK Protect Primer or alternatively with AGLAIA Primer Aqua.
- Renovate cracked substrates and chippings with clay. A slurry primer coat can be applied by stirring in BEECK Quartz Filler P (4 kg BEECK Quartz Filler to 12.5 L BEECK Clay Protect, electric stirrer).

2.3. Substrate and preparatory treatment

• **Clay or loam:**

Support must be dried to household moisture, firm and stable, and free from efflorescence. Take care with visible discolouration, sample! Repair cracks by plastering, sweep off sandy grain sweep off dry. Prime with BEECK Protect Primer or alternatively with AGLAIA Primer Aqua. Two coats with BEECK Clay Protect with a drying time of at least 8 hours each.



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2.4. Application instructions

2.4.1. General information

Check substrate suitability (see 2.1., 2.3.). Note the absorbency, strength and structure of the substrate. Sample demanding and critical surfaces.

- Carefully cover surfaces that are not to be treated and protect them from splashes.
- Only use material of the same batch for tinted coats and self-contained surfaces.
- Stir BEECK Clay Protect with an electric stirrer before use and dilute, if necessary, with water.
- Drying time: at least 8 hours per coat, BEECK Protect Primer can be painted over after 4 hours.
- Ensure ventilation and warmth (room temperature) for drying. Minimum processing temperature: +8°C

2.4.2. Application

With roller, brush or airless spraying. Apply self-contained surfaces in one coat.

- Application with a roller: Apply a full coat crosswise and roll off quickly and evenly in vertical strips, without picking up more paint with the roller. Trim the edges wet-on-wet together with the surface. Alternatively, spread without direction using a brush, this results in a slightly cloudy, lively surface. Here, too, work quickly without any overlapping, or in pairs on larger areas.
- Dilute BEECK Clay Protect according to the absorbency of the substrate so that the coat does not burn:
 - Base coat with approx. 5 % - 10 % water, test on site.
 - Top coat: After 8 hours at the earliest, undiluted or diluted with approx. 5 % water.
- **Spraying method (airless):**
 - Nozzle: 0.79 mm / 0.031 inch. Always sieve the product before use.
 - Apply uniformly and as a thin coat, then use a brush to lay-off.

3. Application Rate and Container Sizes

The consumption, i.e. the quantity required for smooth clay is approx. 0.13 – 0.14 L per m² and pass. Try out on a test area on site.

Container sizes: 5 L / 12.5 L

4. Cleaning

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

5. Storage

Stored cool and frost-free, can be kept for at least 12 months. Use up opened containers as soon as possible.

6. Hazard notes, safety instructions and disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Disposal in accordance with the official regulations.

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.