



BEECK Oleith Primer

Water inhibiting primer in the BEECK Oleith system for façade wood

1. Product Properties

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.

1.1. Composition

- Refined linseed oil, plant stand oils and tree resins, dryers. Free from any synthetic resins, e.g. alkyd resin
- Mineral fillers and highly porous matting agents, forming an ideal silicification substrate for top coat
- Dissolved in essential oils and aromatic compound-free solvents; paint film protection

1.2. Technical properties

1.2.1. Overview

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

1.2.2. Important building physics characteristics

Parameter	Value	Conformity
Density 20°C:	approx. 1.02 kg / L	
Viscosity 20°C:	approx. 36 s (3 mm flow cup)	ISO 2431
sd value (H ₂ O):	< 0.5 m	EN ISO 7783-2
Gloss level at 85°:	Matt (< 10)	EN ISO 2813
Flash point:	61°C	
VOC content (max.):	400 g / L	ChemVOCFarbV Cat. A / h

1.2.3. Colour

- Glazing white. Tint BEECK Oleith Primer individual with max. 8 % BEECK Exterior Stand Oil Paint when using coloured BEECK Oleith Top.

2. Use

2.1. Substrate requirements

- The substrate must be clean, dry, firm and stable and must be free from efflorescent, discolouring, adhesion-impairing and/or drying-delaying substances. Use on façade for wooden laggings made of soft wood with a rough-sawn wood surface. Only use on raw or non-film-forming impregnated soft wood (e.g. pine, larch, Douglas fir), mounted well and amply dimensioned with air space on backside. Suitable are weather-proof façade laggings and timbering, roof soffits, blinds and noise barriers, and similar woodwork of limited dimensional stability. A rough-sawn wood surface with a good grip is essential. Allow fresh wood to age and to produce shrinkage cracks, wet if necessary and allow to dry down to balanced humidity. Ensure constructive wood preservation and wood quality free from blue stain.
- Please note: BEECK Oleith is exclusively recommended for weatherproof timbering on facades. Swelling and moisture expansion, followed by shrinking cracks, must be tolerated by the construction. Therefore, check for sufficient dimension and quality of timbers and screwing even under aspect of moisture expansion and deformation. An open-pored coating system will never be able to save a construction which is not resistant to weathering! Do not use for horizontal weathered or mechanical stressed wood like garden furniture, gambling machines, for frame work or windows, see BEECK Exterior Stand Oil Paint.

2.2. Brief information on the standard system

- **On rough-sawn wooden laggings on façade (soft wood):**
1 (or 2) priming coats with BEECK Oleith Primer. Followed by 2 opaque coatings with BEECK Oleith Top. Use 3 coats on facades or building elements unprotected exposed to the weather.

2.3. Substrate and preparatory treatment

- **Wood (rough-sawn wooden laggings on façade. Raw or non-film-forming impregnated soft wood):**
Completely sand off crumbling, weathered wood that has turned grey, or replace it. Wet planed wood and grind for a good grip. Maximum wood moisture for softwood 15 %. Resin-rich wood (e.g. larch) tends to resin flux in the heat. Remove resin thoroughly, large scale resin specks are not compliant with coatings. If using impregnations, treat all-over, especially saturate cut faces well. Check construction (screwing, back side



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ventilation etc.), round sharp edges of square timbers and avoid horizontal wood surfaces. Thoroughly clean, brush or blast efflorescing wood and use an off-the shelf bleach or de-grayer appropriate to manufacturer instruction to eliminate water-soluble discoloration and stains. Allow cleaned, bleached wood to dry and prime with BEECK Oleith Primer. Remove dirt, algae etc., use BEECK Fungicide if necessary. Remove old lacquer, acrylic or synthetic resin-based coats pore deep by sanding down or blast cleaning, pretest cleaning procedure on site.

Unsuitable substrates are horizontally installed or slightly sloped wood exposed to the weather, mechanically stressed wood and wood in contact with the soil. Note constructive and possible chemical wood preservation. Tropical woods, oak, wood-based materials as well as flaking coatings are not suitable.

- **Defective substrates** require a differentiated approach, examine and try out on a test area first.

2.3.1. Maintenance and follow-up treatment

See Technical Data Sheet BEECK Oleith Top.

2.4. Application instructions

2.4.1. General information

- Check substrate suitability as required (see 2.1 and 2.3). Pay attention to the absorbency, strength and texture of the respective substrate. Try out on a test area before using on critical surfaces. Ensure that the product is used by qualified persons and in a smooth, uninterrupted coating process. Provide personal protective equipment.
- Carefully cover surfaces which are not to be treated – especially glass, window sills, rainwater pipes, renders, floors – and protect them from splashes.
- Apply plank by plank uniformly without any over lapping or drying seams.
- Do not use in wet conditions, if there is a risk of frost, on hot surfaces or in the blazing sun.
- Minimum application temperature: +12°C. Ensure ventilation and heat (room ambient temperature) for drying. Handle fresh coatings carefully. Sun light (UV-radiation) promotes the drying significantly.
- Drying time per pass: in normal climate, BEECK Oleith Primer is ready to coat over after at least 48 (!) hours. Extended drying periods of minimum 3 to 4 days must be considered in cool climate conditions. Tack-free and ready for installation in normal climate after several days. Avoid excessive coat thicknesses and gluing up/clogging, e.g. in joints. Protect fresh coatings from the rain; hang up scaffolding sheeting in front of the façade or store timbers in a heated workshop.

2.4.2. Application

- Apply BEECK Oleith Primer with a flat brush. Roller application or spraying (low-pressure, high-pressure, air-mix) is also possible, but always thoroughly level out wet-in-wet subsequently by flat brush. Pretest spray application. Avoid overspray drift. Note the risk of auto-ignition in extractor filter mats caused by oily overspray.
- Stir up thoroughly before use. Tint BEECK Oleith Primer individual with max. 8 % BEECK Exterior Stand Oil Paint when using coloured BEECK Oleith Top (see chapter 1.2.3).
- Apply as a thin coating, smoothly seamlessly and uniformly plank by plank in the direction of the grain or figure. Distribute paint even on rough-sawn wood well. Avoid any excessive coat thickness on edges and in joints. Saturate highly absorbent wood and cut face again after around 10 minutes and brush to spread excess coating on the surface.
- Add up to 3 % BEECK Lacquer Thinner if necessary.
- 1 to 2 priming coats with BEECK Oleith Primer with at least 48 hours between the coats.
- After first coat, cut rough wood fibre which is percolating the coat by soft sanding without pressure.

3. Application Rate and Container Sizes

The application rate, i.e. the quantity required for planed wood is approx. 0.07 L, on rough-sawn wooden laggings approx. 0.12 L BEECK Oleith Primer per m² and pass. Determine exact rate on a sample area on site. Always apply as a smooth coating and thin as required.

Container sizes: 0.25 L / 0.75 L / 2.5 L / 10 L

4. Cleaning

Use BEECK Lacquer Thinner to thoroughly clean equipment, tools and soiled clothing immediately after use.

5. Storage

Stored in original container, tightly closed, can be kept for at least 24 months. Close opened containers airtight. Never pour into solvent-swellable containers.



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6. Hazard notes, safety instructions and disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request. Hazard statements: Harmful to aquatic life with long lasting effects. Precautionary statements: Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Disposal in accordance with the official regulations. Special labelling of certain mixtures: Repeated exposure may cause skin dryness or cracking. Contains Orange oil, 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction. May cause sensitization of susceptible persons. Cleaning cloths, paper or other materials that are used for absorption can become a potential fire hazard. Collect and safely dispose in closed, non-flammable containers after use.

- Waste disposal number: 080112

7. Declaration

This technical information is offered as advice based on our knowledge and practical experience. All information is provided without guarantee. It does not release the user from their responsibility to check the product suitability and application for the specific substrate on which it is to be used. Subject to change without notice as part of our product development. Non-system additives for tinting, thinning, etc. are not permitted. Check the colours before use. This information sheet automatically becomes invalid when a new edition is issued. The information in the current version of the EC Safety Data Sheets is binding for classification according to the Hazards identifications, disposal considerations, etc.