

# BEECK Oil Primer *Aqua*

**Solvent-free, water-borne oil primer for absorbent exterior wood**

## 1. Product Properties

The resin/linseed oil wood primer emulsified in water has excellent penetration properties and is suitable for windows, exterior doors, etc., and partially dimensionally stable exterior woodwork, such as shutters, log cabins and panelling. Suitable for all weather-resistant hardwoods and softwoods, not for tropical wood. Further treatment with both water-borne and solvent-based systems, e.g. BEECK Stand Oil Paint <sup>(pro)</sup>, BEECK Stand Oil Glazes or BEECK Oleith Emulsion.

### 1.1. Composition

- Water-borne linseed oil/stand oil resin emulsion, siccated with cobalt-free drying agents
- Cellulose-based thickener, film protection
- Solvent-free, low-VOC and low-emission

### 1.2. Technical properties

#### 1.2.1. Overview

- Use on façade
- Open-pored, the diffusion and sorption capacity of the substrate remains effective
- Water-repellent and moisture-regulating, ideal for wood in the preservation of historical monuments
- Solvent-free, water-thinnable, easy to use
- Efficient to use, saturating and highly economical
- High penetration capacity thanks to "creepable" low-molecular linseed oil
- Non-film-forming, does not tend to flake off even with intensive weathering

#### 1.2.2. Important building physics characteristics

Parameter	Value	Conformity
Density 20°C:	approx. 1.0 kg / L	
pH-value 20°C:	approx. 8	ISO 2431
sd value (H <sub>2</sub> O):	< 0.5 m	EN ISO 7783-2
VOC content (max.):	1 g / L	ChemVOCFarbV Cat. A / h

#### 1.2.3. Colour

- Milky, transparent after drying, different colouring depending on the type of wood.

## 2. Use

### 2.1. Substrate requirements

- The substrate must be clean, dry, sound and stable and must be free from efflorescent, discolouring, adhesion-impairing and/or drying-delaying substances.
- Ensure constructive wood protection and blue stain-free wood quality.

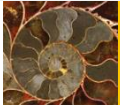
### 2.2. Brief information on the standard system

- Prepare the raw wood substrate for painting by sanding.
- Apply a single, saturating primer coat with BEECK Oil Primer *Aqua*, remove excess with a brush.
- Further treatment after any intermediate sanding after 24 hours at the earliest.

### 2.3. Substrate and preparatory treatment

#### • **Wood:**

Sand absorbent, raw or non-film-forming impregnated wood and prime with BEECK Oil Primer *Aqua*. Completely sand down or replace friable, weathered and greyed wood. Maximum wood moisture content for 15 % for softwood and 12 % for hardwood. Thoroughly remove grease, resin and wax with BEECK Lacquer Thinner. Resin-rich coniferous wood (e.g. larch) tends to flow resin when exposed to heat and therefore are less compatible with paint. Woods containing tannic acid (oak), including final treatment, must be sampled on the object. Discoloration and drying distortion possible. Tropical woods are not suitable. Sample wood-based materials, check for suitability for and coating approval of the supplier with open-pored coating systems in exterior. Timber and dimensionally stable components must be primed on all sides prior to installation, as well as coated once in the system. If necessary, also prime the rear side of exterior panelling due to warping caused by moisture absorption and ensure rear ventilation. BEECK Oil Primer *Aqua* is generally only suitable for untreated wood. Alternative: BEECK Oil Primer (solvent based). **Unsuitable substrates** are horizontally installed wood or wood exposed to the weather at an angle, mechanically stressed wood and wood in contact with the soil. Note constructive and possible chemical wood preservation. Tropical woods as well as flaking coatings are not suitable. **Defective substrates** require a differentiated approach, examine and try out on a test area first.



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## 2.4. Application instructions

### 2.4.1. General information

- Check substrate suitability (see 2.1., 2.3.). Pay attention to the absorbency, strength and structure of the structure of the substrate. Sample demanding and critical surfaces. Ensure qualified processing.
- Carefully cover surfaces that are not to be treated – e.g. glass, baseboards, expansion joints and fittings - carefully cover and protect from splashes.
- Stir or shake the canister thoroughly before use.
- Do not apply in wet conditions, when there is a risk of frost, on heated surfaces or in direct sunlight.
- Minimum processing temperature: +8°C. Ensure ventilation and warmth (room temperature) for drying.
- Drying time: Can be painted over after 24 hours at the earliest in normal climatic conditions. Only paint over primers that have dried tack-free. Block-resistant in normal climatic conditions after a few days. Avoid thick layers and bonding, e.g. in window rebates.
- Protect fresh coats from rain, curtain scaffolding foil.

### 2.4.2. Application

- Apply BEECK Oil Primer *Aqua* by brushing, spraying, flooding, dipping or with automatic brushes. Test application is advisable. Can be diluted with 5 - 10 % water if necessary. Saturate the wood well, after approx. 10 minutes carefully remove any excess with a brush. Spread well even on rough and cracked wood. Even when spraying, brushing, dipping and flooding, carefully remove any excess with a brush and / or oil-free compressed air from horizontal surfaces. Avoid sticking of components during drying. Be aware of the risk of spontaneous combustion in extraction filter mats with oily spray mist.
- Carefully sand off any shiny residues after drying; they cause adhesion problems.
- If necessary, sand finely before applying a subsequent coat (grain size approx. 240), especially on swellable woods and in the case of dust inclusions and overhang. Sand protruding wood fibres.

## 3. Application Rate and Container Sizes

The consumption for planed softwood is approx. 0.08 l of BEECK Oil Primer *Aqua* per m<sup>2</sup>. Additional consumption on rough sawn wood and wood-based materials by applying a test coat.

Container sizes: 0.75 L / 2.5 L / 10 L

## 4. Cleaning

Clean equipment, tools and soiled clothing thoroughly with water immediately after use.

## 5. Storage

Can be stored for at least 12 months in the original, tightly closed container. Close opened containers airtight and use as soon as possible.

## 6. Hazard notes, safety instructions and disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request. Harmful to aquatic organisms, with long-term effect. May cause allergic reactions. Cleaning cloths, paper or other materials used for absorbing pose a potential fire hazard. After use, collect in closed, non-flammable containers and dispose of safely. Keep out of reach of children. Do not get in eyes, on skin or clothing. Dispose of in accordance with 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.