

BEECK EXTERIOR STAND OIL PAINT

Resin-free, bodied linseed oils mixed with micro-fine grinded mineral pigments provides durable coatings on weathered wood and iron outdoors.



Ranges of Application:

Highly recommended for diffusible and permanently elastic covering oil coatings on woodwork and steel exposed to the weather. Suitable on size-consistent components, like doors and windows, as well as wood sidings, framework or dormers. Ideal for renovation of weathered, recoatable oil and resin paints on historical buildings. Extremely weather-proof. No tendency to peel even when severely weathered. Satin-glossy. If desired, use satin-matt for top coat, see backside of this information sheet

Processing:

Carefully stir up before use. Apply lap-free in thin layers, in direction of grain, using a brush. For the first coat, thin with up to 3 % BEECK LACQUER THINNER depending on surface. Apply a second coat no sooner than 24 to 36 hours later, undiluted, but also sparingly and evenly. Prime raw wood previously with BEECK OIL PRIMER. After drying, fine sand and dedust. For size-consistent wood (e.g. windows), intermediate coating with BEECK UNDERCOAT (white) or BEECK EXTERIOR STAND OIL PAINT (tinted). Two further coats with BEECK EXTERIOR STAND OIL PAINT, top coat by choice satin-matt.

Technical Features:

Resin-free heated fatty plant oils as an exclusively binder absorb oxygen when drying and cross-link to become an permanently elastic, diffusible, waterproof film. Thanks to excellent penetrating micro-moleculed oil binders, a pore-deep and permanent adhesion is provided. No tendency to flake-off. Weak continuous weathering starting at the surface, therefore, maintenance-friendly. The combination of UV-resistant, finely ground mineral pigments ensures thin layers and a most economical job. Diffusible, therefore highly recommended for framework of historical half-timbered buildings. Does not form excess thickness of vapor impermeable layers even after a few coating intervals.

Water absorption and water-vapor diffusion characteristics:

W_{24} -value:	< 0.1 kg/(m ² h ^{1/2})
s_d -value (H ₂ O):	< 0.5 m

Physical/Technical Characteristics:

Density:	1.2 – 1.3 g/cm ³
Efflux time (3 mm ISO/20°C):	100 secs
Solids content:	78 wt-%

(Characteristics valid for medium pigmentation and high matt grade)

Color tones:

White, black, brown, umber, oxide red, ocher yellow, green and ultrablue, as standard full colors. All colors can be mixed with each other according to BEECK Color Chart or taste. Light-fast mineral pigments supply authentic traditional colorfulness far from placative chromaticity of organic synthesis pigments.

Drying:

Safe to coat after 24 to 36 hours. Thick layers, low temperatures and high humidity delay the drying process. Ensure heating and proper ventilation. Handle with care until completely dry.

Yield:

Approx. 0.09 l per coat and m² on planed surfaces. Make samples on rough surfaces to obtain exact values.

Available Sizes:

0.25 l, 0.75 l, 3 l and 10 l.

Cleaning:

Clean tools and clothes immediately after use with BEECK LACQUER THINNER.

Storage:

Lasts at least 12 months when stored cool in the airtight sealed original container

Composition:

Classic bodied linseed oil heated with wood stand oil and safflower oil. Pure inorganic mineral pigments, depending on color tone: Titanium dioxide, Iron oxide black, UMBER, Iron oxide brown, Iron red oxide, Ultramarine blue, Chrome oxide green, Iron oxide yellow, Nickel-titanium yellow.



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Surface and Pretreatment:

General Requirements:

The surface must be clean, dry, solid and coatable. Maximum wood moisture for conifer wood 15 %, for hardwood 12 %. Thoroughly remove any grease, wax or resin remainders. When hot, resin-rich wood tends to exude resin and can only tolerate coating to a limited extent. Sand planed wood. Absorbent, dry wood with a good grip is ideal. Make samples before applying to oak or tropical woods because of possible discoloration and delay in the drying process. Check weathered, chalking oil coatings for adhesion and sand thoroughly. Completely remove peeling artificial resin coatings. Carefully sand previously treated wood and make samples. Grey or spongy wood should be sanded down to the level of the pitting. Check joints. Touch up open spaces and flaws to match style and structure.

Priming: Prime raw, absorbent wood with BEECK OIL PRIMER. Always prime and precoat raw wood surfaces of size-consistent components (e.g. windows) prior to installation. Two finish coatings after installation. Treat wood sidings also on the backside in 1 to 2 coats. Ensure ventilation at rear. A chemical preventive wood protection, prescribed by order of the authorities, has to be agreed on the complete coating system. Steel: thoroughly derust, sand and degrease. Prime with BEECK CORROSION PRIMER. Not appropriate for galvanized steel or nonferrous heavy metals

Maintenance and Aftertreatment:

Wood outdoors requires maintenance. When exposed to the elements, light sanding and coating is needed after 2 to 4 years. Simple building measures (roof projections, rounded edges, slight tilting of lower window frames) and careful selection of wood (resistance classifications according to EN 350-2) extend the lifespan of each coat significantly. Woods that are not weather-resistant or are horizontally weathered, mechanically strained, in contact with the ground are not suitable. For more information refer to DIN 68 800 and Information Sheets published by BFS (Federal Committee for Paints and the Protection of Property, membership corporation) and WTA (Scientific-Technical Association for Building Maintenance and Monument Preservation, non-profit organisation).

Matt finish for exterior use:

If desired, a satin-matt finish can be obtained. For windows or wood exposed to the weather a minimum of one intermediate coat of standard satin-glossy BEECK EXTERIOR STAND OIL PAINT in the same color as satin-matt top coat is necessary. Matt-porous as well as

intensively colored wood coatings show a limited durability.

Safety Instructions and Disposal:

► Hazard Class: Flammable!

When applying, keep away from any ignition source, refrain from smoking and ensure proper ventilation. Cloths soaked in drying plant oils generate a risk of selfignition. Therefore, always store in closed, airtight metal containers. Keep out of reach of children and unauthorized persons. Disposal according to legal regulations.

► Waste Code: Product and Product Reminders (European Waste Code): 080199 (Coatings).

► EU limit value for this product: (cat. A/d): 400 g/l (2007) / 300 g/l (2010). This product contains 300 g/l VOC max.

It is our objective to provide, through this information, advice based on our skills and practical experience. Any instructions given are non-binding and do not release the user from his or her liability to check for product suitability and application methods him/herself with regard to the surface used. Technical modifications may result from product development. Upon publication of a revised or new version, these instructions will automatically lose their validity. The details contained in the EU Safety Data Sheets in their current form dictate liability for classification in terms of the Hazardous Substances Regulation, disposal etc.