

LIGNOPRO®

Wood coatings for industrial applications

BauBuche-Varnish

High-performance

Safe to use

Economic

879

880

881

882

883

LIGNOPRO® - consistently developed

Our BauBuche products protect against moisture, soiling, greying and severe cracking. The convincing advantages: Economical application, even spread, fast drying, block resistance and good value for money.



The use of BauBuche is only permitted in service classes 1 and 2, in which the material is protected from direct weathering. BauBuche has greater swelling and shrinking dimensions than softwood. Contact with moisture can lead to considerable swelling of the cross-section, particularly in the area of end-grain cuts such as beam ends, offsets, incisions and holes. Contact with moisture also leads to staining.

Since weathering of the wooden building components during the construction phase can hardly be completely ruled out, the manufacturer Pollmeier looked for suitable coating systems to guarantee the temporary moisture protection of BauBuche during transport and assembly. We rose to the challenge and developed suitable coating systems in cooperation with the manufacturer. After three years of development and the continuous and consistent optimisation of our products, we now offer coating systems

for BauBuche, with which the components can withstand free weathering in periods of bad weather for a period of 12 weeks.

It is no longer necessary to cover with film, which considerably simplifies the practical use of BauBuche and makes it much safer. The current two-layer coating systems, consisting of **BauBuche-Primer plus** and **BauBuche-Varnish**, are available in several variants. We offer options for machine or manual application and deliver in 20 litre containers for smaller order quantities and custom colours, or in IBC containers (1000 l) with a drain valve for industrial use.



LIGNOPRO® - consistently tested

Only a long-term weathering test shows whether the development work was truly successful. We were surprised by the results ourselves.



In an extensive weathering test on the premises of the Pollmeier company, treated and untreated BauBuche workpieces were exposed to the weather for several weeks up to 6 months and checked and measured weekly.

The dimensional changes to the untreated BauBuche elements were considerable. The elements treated with LIGNOPRO® were different. They showed only minor changes that were in the range of the tolerance specifications. The visual changes were also minimal.

Seven manufacturers of wood coating materials were involved in the entire test setup. Koch & Schulte GmbH & Co KG was able to assert itself with its LIGNOPRO® products in terms of quality.



LIGNOPRO® - Application

The LIGNOPRO® BauBuche products expand the application possibilities of BauBuche enormously. They effectively protect sensitive building components from weathering and contamination during transport and construction.



Protecting BauBuche

Between the delivery of the BauBuche and the completion of the construction project, it is usually inevitable that building components are exposed to environmental influences. The surfaces can quickly suffer considerable, especially visual, damage due to UV radiation, moisture and dirt. Reworking is time-consuming and costly. Restoring the original appearance is usually difficult, and often impossible.

Easy-to-clean surfaces

The waterproof, closed film of our BauBuche-Varnish coating allows for dirt that has accumulated on the construction site to be very easily removed and to restore the look and feel of the glue-laminated timber desired by builders and architects.

Mould is “a thing of the past”

Without penetrating moisture, no more mould grows. Mould stains are largely avoided.

Minimise the formation of cracks

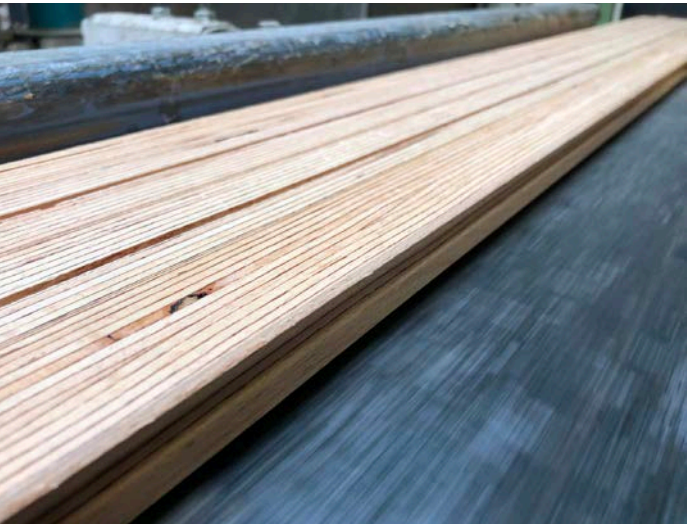
Building components with BauBuche-Varnish absorb only very small amounts of moisture. Swelling of the outer layers of wood is prevented, which minimises the later formation of cracks during drying.

UV protection

With micronised pigments or special UV absorbers, we achieve optimal UV protection and thereby reduce the darkening of the wood with BauBuche-Varnish.

Attractive finish possibilities

In addition to the extensive protective features, coating your components with BauBuche-Varnish enhances the surfaces and thus increases the value of your products considerably.



LIGNOPRO® - Products

Taking into account the various application scenarios, we have developed the following products to protect your BauBuche:

LIGNOPRO® 879 BAUBUCHE-PRIMER PLUS

Slightly water-repellent, low-viscosity, acrylate-based primer with a high solids content. Creates an even surface on which the BauBuche-Varnish products can be applied. Ideal for building components with existing slots and holes.



LIGNOPRO® 880 BAUBUCHE-VARNISH

Biocide-free special coating for a water-repellent BauBuche. Leaves the wood open to diffusion.

LIGNOPRO® 881 BAUBUCHE-VARNISH UV

Biocide-free special coating for a water-repellent BauBuche surface with additional UV protection. Leaves the wood open to diffusion.

LIGNOPRO® 882 BAUBUCHE-VARNISH HYDROX

Biocide-free special coating for an extremely water-repellent BauBuche surface. Leaves the wood open to diffusion. Cannot be re-coated after drying without mechanical pretreatment.

LIGNOPRO® 883 BAUBUCHE-VARNISH HYDROX UV

Biocide-free special coating for an extremely water-repellent BauBuche surface with additional UV protection. Leaves the wood open to diffusion. Cannot be re-coated after drying without mechanical pretreatment.



LIGNOPRO® - Protection with a system

Primer

Product	LIGNOPRO® 879 BauBuche-Primer plus
Description	Slightly water-repellent, low-viscosity, acrylate-based primer with a high solids content. Creates an even surface on which the BauBuche-Varnish products can be applied. Ideal for building components with existing slots and holes.
System	1 + 2
Water repellency	★★★★★
UV protection	★★★★★
Surface	Satin
Consumption/coverage	Approx. 80 ml/m²
Container sizes	20 l/1000 l
Colour shades	Colourless (reinforces the grain), 1000 natural (leaves the BauBuche with an untreated appearance)

Coating

Product	LIGNOPRO® 880 BauBuche-Varnish	LIGNOPRO® 881 BauBuche-Varnish UV	LIGNOPRO® 882 BauBuche-Varnish HydroX	LIGNOPRO® 883 BauBuche-Varnish HydroX UV
Description	Biocide-free acrylate-based custom coatings with a high solids content for a water-repellent and dirt-repellent BauBuche surface. Leaves the wood open to diffusion.			
System	1	1	2	2
Water repellency	★★★★★	★★★★★	★★★★★★	★★★★★★
UV protection	★★★★★	★★★★★★	★★★★★	★★★★★★
Surface	Satin			
Consumption/coverage	Approx. 120 ml/m²			
Container sizes	20 l/1000 l			
Colour shades	Colourless, 1000 natural, standard colours			
Paintable	Yes		After mechanical treatment	

System 1:

Temporary moisture protection during transport and assembly (slight weathering for up to 4 weeks), as well as permanent UV protection (when using BauBuche-Varnish UV) for use in Use Classes 0-1.

- Prime with LIGNOPRO® 879 BauBuche-Primer plus
- Drying time 1-2 hours
- Application of LIGNOPRO® 880 BauBuche-Varnish or LIGNOPRO® 881 BauBuche Varnish UV
- 2-3 coats of LIGNOPRO® 880 BauBuche-Varnish or LIGNOPRO® 881 BauBuche-Varnish UV on the end grain surfaces
- Alternative:
Application of 2 coats of LIGNOPRO® 880 BauBuche-Varnish with a primer. Total consumption for both coats 0.20 l/m²-

System 2:

Temporary moisture protection during transport and assembly (normal weathering for up to 12 weeks), as well as permanent UV protection (when using BauBuche-Varnish Hydrox UV) for use in Use Classes 0-1

- Prime with LIGNOPRO® 879 BauBuche-Primer plus
- Drying time 1-2 hours
- Application of LIGNOPRO® 882 BauBuche-Varnish Hydrox or LIGNOPRO® 883 BauBuche Varnish Hydrox UV
- 2-3 coats of LIGNOPRO® 882 BauBuche-Varnish Hydrox or LIGNOPRO® 883 BauBuche-Varnish Hydrox UV on the end grain surfaces wet on wet

For further information on the processing and safety of the products, please refer to the technical data sheets

LIGNOPRO® - BauBuche colour chart

Primer: The samples are primed with LIGNOPRO® 879 BauBuche-Primer plus (pigmented). An unpigmented primer in combination with a pigmented top coat is not recommended as this can result in an uneven appearance (streaking).

Final coat: Left side: LIGNOPRO® 883 BauBuche-Varnish Hydro X UV (colourless). Right side: LIGNOPRO® 882 BauBuche-Varnish Hydro X (pigmented).



Untreated BauBuche



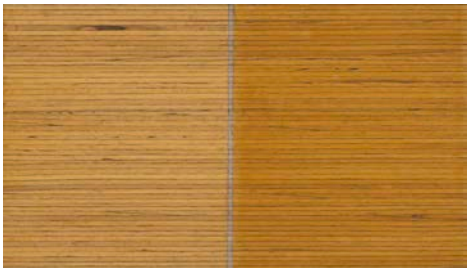
KS1000



KS0332-100



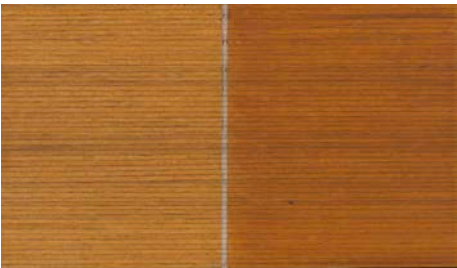
KS0332-200



KS0131



KS0052



KS0232



KS0330



KS0230



KS0191



KS7920



KS7970



KS0271

KOCH & SCHULTE



Holzschutzmittel | Holzveredelungsprodukte

From product to solution.

With LIGNOPRO®, Koch & Schulte has developed a product range that offers individual coating solutions for typical application scenarios of industrial users.

Based on our proven wood coatings, LIGNOPRO® stands for formulations that are individually adapted to application-specific requirements. Alongside the excellent primary wood protection properties, the products are also tailored to optimal machinability.

Whether you are dipping, flooding, spraying manually, painting industrially or vacuum coating - with LIGNOPRO® by KOCH & SCHULTE, you combine the best possible wood protection with optimal manufacturing processes, for consistently high-quality production results.

We also offer you the option of adapting our products individually to your specific circumstances and thereby optimising your processes.

We have already convinced many well-known manufacturers with our innovative and customised products

Adding value to your wood!

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