

LIGNOPRO®

Wood coatings for industrial applications

Product overview

High-performance
Safe to use
Economic

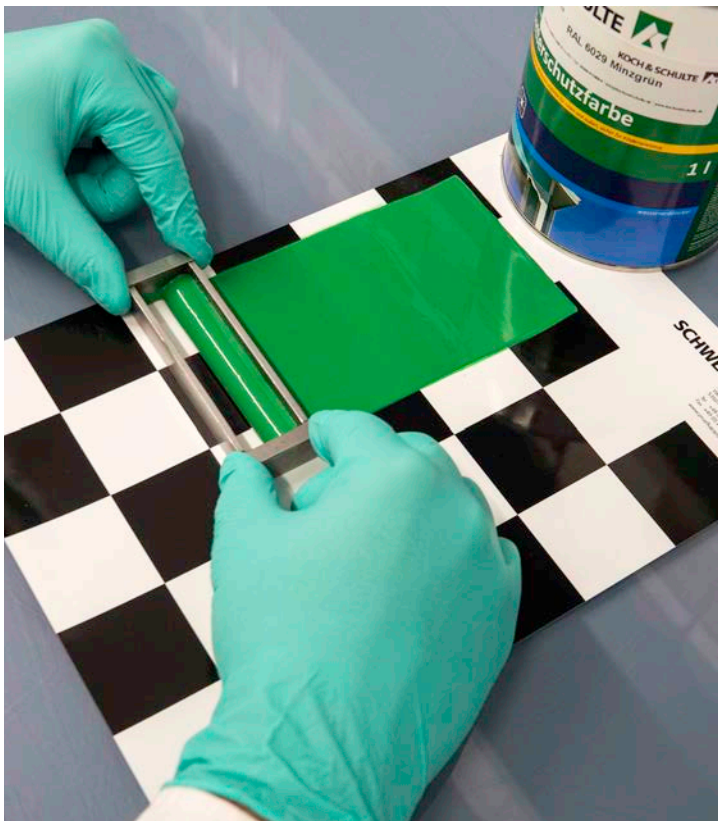
With LIGNOPRO®, KOCH & SCHULTE has developed a product range that offers individual coating solutions for typical application scenarios of industrial users.

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.



There is more to it

At KOCH & SCHULTE, we have been developing technically and optically high-quality wood coating materials for 30 years.

We have fundamentally changed the market for BSH coatings with our BSH-Varnish products. The coating of long glue-laminated timber in timber engineering is a particular challenge. Together with leading companies in the glue-laminated timber sector, we have developed products that offer optimal processing, excellent protection and a sales-boosting appearance. We are nonetheless able to offer these products at excellent value for money.

We have also driven innovation in the area of BauBuche. Only through the development and use of our BauBuche-Varnish products do building components receive the moisture protection that completes their otherwise perfect technical properties. This has opened up many areas of application. Because large-format, slim structural components made of BauBuche need safe and reliable protection against moisture during transport and construction. Together with the manufacturer, we developed BauBuche-Varnish in a three-year development phase and exceeded all expectations regarding the protective properties of the product.

We will gladly also formulate coatings for you with properties according to your specifications or we will adapt existing recipes for you.



PRODUCT	BINDER	BIOCIDAL TREAT- MENT	APPLICATION AREA	CONTAINER (L)
PRIMERS				Page 4
LIGNOPRO® 102	AC		Exterior, interior	20 1000
LIGNOPRO® 103	AL		Exterior, interior	20 1000
LIGNOPRO® 104	AC		Exterior, interior	20 1000
WOOD STAINS				Page 4
LIGNOPRO® 208	AC, AL	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 227	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 228	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 244	AC, NW		Exterior, interior	20 1000
LIGNOPRO® 251	AC		Interior	1000
LIGNOPRO® 286	MI, AC		Interior	20 1000
LIGNOPRO® 295	AC		Exterior, interior	20 1000
WOOD OILS				Page 4
LIGNOPRO® 320	NT		Exterior, interior	20 1000
LIGNOPRO® 330	NT		Exterior, interior	20 1000
WOOD TOP COATS				Page 6
LIGNOPRO® 406	AC		Exterior, interior	20 1000
LIGNOPRO® 407	AC		Exterior, interior	20 600 1000
LIGNOPRO® 408	AC		Exterior, interior	10 20
LIGNOPRO® 412	AC		Exterior, interior	10 20
LIGNOPRO® 414	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 415	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 416	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 425	AC, PU	Film protection opt.	Exterior, interior	10 20 1000
LIGNOPRO® 426	AC, PU	Film protection opt.	Exterior, interior	10 20 1000
LIGNOPRO® 434	AL	Film protection opt.	Exterior, interior	20 1000
BSH PRODUCTS				Page 8
LIGNOPRO® 815 BSH-Transport Protection	AC		Exterior, interior	20 1000
LIGNOPRO® 820 BSH-Glaze	AC, AL		Exterior, interior	20 1000
LIGNOPRO® 823 Acrylic Glaze	AC		Exterior, interior	1000
LIGNOPRO® 825 BSH-Finish	AC		Exterior, interior	20 1000
LIGNOPRO® 840 BSH-Varnish	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 841 BSH-Varnish UV	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 842 BSH-Varnish HydroX	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 843 BSH-Varnish HydroX UV	AC	Film protection opt.	Exterior, interior	20 1000
BAUBUCHE PRODUCTS				Page 10
LIGNOPRO® 878 BauBuche-Primer	AC		Exterior, interior	20 1000
LIGNOPRO® 879 BauBuche-Primer plus	AC		Exterior, interior	20 1000
LIGNOPRO® 880 BauBuche-Varnish	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 881 BauBuche-Varnish UV	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 882 BauBuche-Varnish HydroX	AC	Film protection opt.	Exterior, interior	20 1000
LIGNOPRO® 883 BauBuche-Varnish HydroX UV	AC	Film protection opt.	Exterior, interior	20 1000

AL - alkyd resins, AC - acrylates, NT - natural oils, PU - polyurethane, BPR - Biocidal Products Regulation [Regulation (EU) No. 528/2012], BPD - Biocidal Products Directive (RL 98/8/EG), Pv - preventive against wood-destroying fungi (rot), Bv - preventive against blue stain, Iv - preventive against insects, MI - mineral, NW - natural waxes

LIGNOPRO® 102

Colourless or pigmented pure acrylate-based wood primer for the industrial coating of wood substrates.

LIGNOPRO® 103

Colourless or pigmented alkyd resin-based wood primer for the industrial coating of wood substrates.

LIGNOPRO® 104

Colourless or white pigmented pure acrylate-based wood primer with a light protection filter for industrial coating of wood substrates. Reduces colour changes in wood caused by UV light.

LIGNOPRO® 208

Colourless or pigmented hybrid varnish for industrial coating of wood substrates as a decorative surface finish.

LIGNOPRO® 227

Colourless or pigmented pure acrylate-based varnish with increased solids content and low viscosity, for industrial coating of wood substrates as a decorative surface finish.

LIGNOPRO® 228

Colourless or pigmented pure acrylate-based varnish with increased solids content and a medium viscosity, for the industrial coating of wood substrates as a decorative surface finish.

LIGNOPRO® 244

Ready-to-apply, water-repellent thin-layer varnish with increased solids content for the decorative finishing of interior and exterior wood. Minimises discolouration with a special UV absorber.

LIGNOPRO® 251

Water-based, colourless polymer concentrate for stabilisation of dusty or unstable substrates. Developed for the industrial coating of wood fibre insulating boards.

LIGNOPRO® 286

Our MINERAL FINISH as an environmentally friendly, water-based, colourless or transparently pigmented mineral-based wood coating. Free from solvents. Elegant, ultra-matt and transparent appearance for visible interior wood components.

LIGNOPRO® 295

Acrylate-based varnish concentrate for the production of ready-to-apply varnishes for coating plywood panels and formwork beams.

LIGNOPRO® 320

Strongly water-repellent, water-based wood oil with triple UV protection for the industrial coating of wood substrates.

LIGNOPRO® 330

Water-based wood oil for the industrial coating of interior and exterior wood with mechanical stress. Such as decking.

Available container sizes				
10 l	20 l	200 l	600 l	1000 l
COLOURLESS, STANDARD COLOURS WL, WP, NG				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL, WP, NG				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, WHITE TRANSPARENT				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL, WP, NG				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL, WP, NG				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, WHITE TRANSPARENT, SF POSSIBLE				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
KS 0000 COLOURLESS, CUSTOM COLOURS POSSIBLE				
-	-	-	X	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS UV, NATURAL UV				
-	-	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, WHITE TRANSPARENT, SF POSSIBLE				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
CUSTOM COLOURS UPON CONSULTATION				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL, WP, NG				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL, WP, NG				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				



LIGNOPRO® 320 Natural Grey

Wood top coats

LIGNOPRO® 406

White opaque, low-viscosity pure acrylate-based primer or intermediate coat for the industrial coating of wood substrates to reduce penetration into water-soluble wood ingredients.

LIGNOPRO® 407

Transparent, low-viscosity pure acrylate-based primer or intermediate coat for the industrial coating of wood substrates to reduce penetration into water-soluble wood ingredients.

LIGNOPRO® 408

White, highly drip-inhibited pure acrylate-based intermediate and top coat for the industrial coating of wood substrates to reduce penetration into water-soluble wood ingredients.

LIGNOPRO® 412

White, sprayable pure acrylate-based intermediate and top coat for the industrial coating of wood substrates to reduce penetration into water-soluble wood ingredients.

LIGNOPRO® 414

White opaque, low-viscosity pure acrylate-based top coat for the industrial coating of wood substrates.

LIGNOPRO® 415

Satin-gloss wood top coat as a pure acrylate-based intermediate and top coat for the industrial coating of wood substrates.

LIGNOPRO® 416

Satin wood top coat as a pure acrylate-based intermediate and top coat for the industrial coating of wood substrates.

LIGNOPRO® 425

Satin wood top coat as a PU-acrylate-based intermediate and top coat for the industrial coating of wood substrates.

LIGNOPRO® 426

Low-viscosity, satin wood top coat as a PU-acrylate-based intermediate and top coat for the industrial coating of wood substrates.

LIGNOPRO® 434

Low-viscosity, matt wood top coat as an alkyd resin-based intermediate and top coat for the industrial coating of wood substrates.

Available container sizes				
10 l	20 l	200 l	600 l	1000 l
WHITE				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
TRANSPARENT				
-	X	-	-	X
Consumption/coverage: 120-180 ml/m² per application, depending on the absorbency of the substrate and application				
TRANSPARENT				
X	X	-	-	-
Consumption/coverage: 120-180 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE				
X	X	-	-	-
Consumption/coverage: 100-200 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE, STANDARD COLOURS HD, CUSTOM COLOURS				
-	X	-	-	X
Consumption/coverage: 80-150 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE, STANDARD COLOURS HD, CUSTOM COLOURS				
-	X	-	-	X
Consumption/coverage: 100-200 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE, STANDARD COLOURS HD, CUSTOM COLOURS				
X	X	-	-	X
Consumption/coverage: 80-130 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE, STANDARD COLOURS HD, CUSTOM COLOURS				
X	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE, STANDARD COLOURS HD, CUSTOM COLOURS				
X	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				



LIGNOPRO® 295 machine impregnation

LIGNOPRO® 815 BSH-TRANSPORT PROTECTION

Acrylic primer to protect glue-laminated timber during transport.

LIGNOPRO® 820 BSH-GLAZE

Thin-layer varnish as basic protection and for the decorative finish of glue-laminated timber.

LIGNOPRO® 823 ACRYLIC GLAZE

Thin-layer varnish with a slightly increased solids content to protect wooden components (such as glue-laminated timber) from light soiling and the effects of the weather during transport and construction.

LIGNOPRO® 825 BSH-FINISH

Middle-layer varnish with increased solids content to protect glue-laminated timber from light soiling and the effects of the weather during transport and construction.

LIGNOPRO® 840 BSH-VARNISH

Middle-layer varnish with a high solids content to protect glue-laminated timber from soiling and weathering during transport and construction. Gives the building component a high-quality appearance. Available in satin (standard) and matt.

LIGNOPRO® 841 BSH-VARNISH UV

Middle-layer varnish with a high solids content to protect glue-laminated timber from soiling and weathering during transport and construction. The product also reduces discolouration (darkening) of the wood due to UV light. Gives the building component a high-quality appearance. Available in satin (standard) and matt.

LIGNOPRO® 842 BSH-VARNISH HYDROX

Extremely water-repellent middle layer varnish with a high solids content to protect glue-laminated timber from soiling and weather influences during transport and construction. Gives the building component a high-quality appearance. Available in satin (standard) and matt. Cannot be re-coated after drying without mechanical pretreatment.

LIGNOPRO® 843 BSH-VARNISH HYDROX UV

Extremely water-repellent middle layer varnish with a high solids content to protect glue-laminated timber from soiling and weather influences during transport and construction. The product also reduces discolouration (darkening) of the wood due to UV light. Gives the building component a high-quality appearance. Available in satin (standard) and matt. Cannot be re-coated after drying without mechanical pretreatment.

Available container sizes				
10 l	20 l	200 l	600 l	1000 l
COLOURLESS				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: 80-120 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS				
-	-	-	-	X
Consumption/coverage: 100-120 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: 100-120 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: 100-140 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, WHITE TRANSPARENT				
-	X	-	-	X
Consumption/coverage: 100-140 ml/m² per application, depending on the absorbency of the substrate and application				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: 100-140 ml/m² per application, depending on the absorbency of the substrate and application				
WHITE, STANDARD COLOURS HD, CUSTOM COLOURS				
-	X	-	-	X
Consumption/coverage: 80-110 ml/m² per application, depending on the absorbency of the substrate and application				

BSH-Varnish: Optimal transport protection and decorative finishing

Components protected with BSH Varnish no longer have to be wrapped in film for transport. This saves you valuable working time and large quantities of packaging material. Even if there are delays on the construction site, your building components are protected.

Any staining can be easily removed. In combination with the decorative options of BSH-Varnish, the result is a high-performance and economic overall package.



More than 30 years of experience: The supplier in the BSH industry

We have fundamentally changed the market for BSH coatings with our BSH-Varnish products. The coating of long glue-laminated timber in timber engineering is a particular challenge. Together with leading companies in the glue-laminated timber sector, we have developed products that offer optimal processing, excellent protection and a sales-boosting appearance. We are nonetheless

able to offer these products at excellent value for money. We will gladly also formulate coatings for you with properties according to your specifications or we will adapt existing recipes for you.



YOUR BENEFITS

- Environmentally safe formulations in premium quality
- Tried and tested products or individual formulations according to your requirements
- Standardised customisations (film protection, viscosity, HydroX, etc.)
- Competent technical advice
- Individually definable custom colours
- Sprayable qualities
- Short-term express delivery service
- Container sizes for every need, 20 l containers up to IBC (1000 l)

LIGNOPRO® 878 BAUBUCHE-PRIMER

Biocide-free, low-viscosity, acrylate-based primer with a high solids content. Creates an even surface on which the BauBuche-Varnish products can be applied.

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.

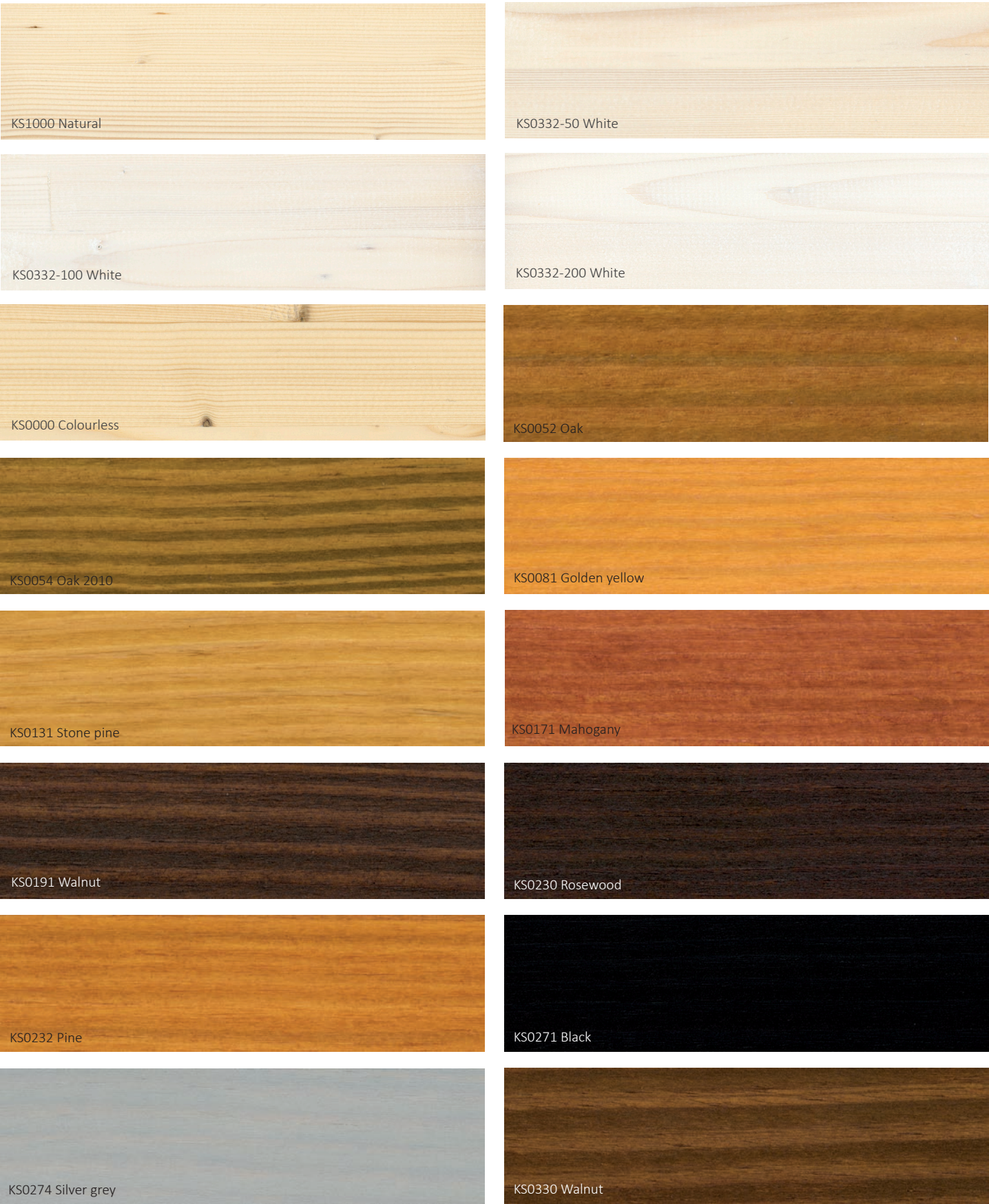
Available container sizes				
10 l	20 l	200 l	600 l	1000 l
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: Approx. 80 gr/m² per coat				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: Approx. 80 gr/m² per coat				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: Approx. 120 gr/m² per coat				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: Approx. 120 gr/m² per coat				
COLOURLESS, STANDARD COLOURS WL				
-	X	-	-	X
Consumption/coverage: Approx. 120 gr/m² per coat				

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. A preliminary step of the coating systems available today, which we offer under the heading BauBuche-Varnish, was used in various building projects. In the first test phase, additional covering with tarpaulin was necessary. After three

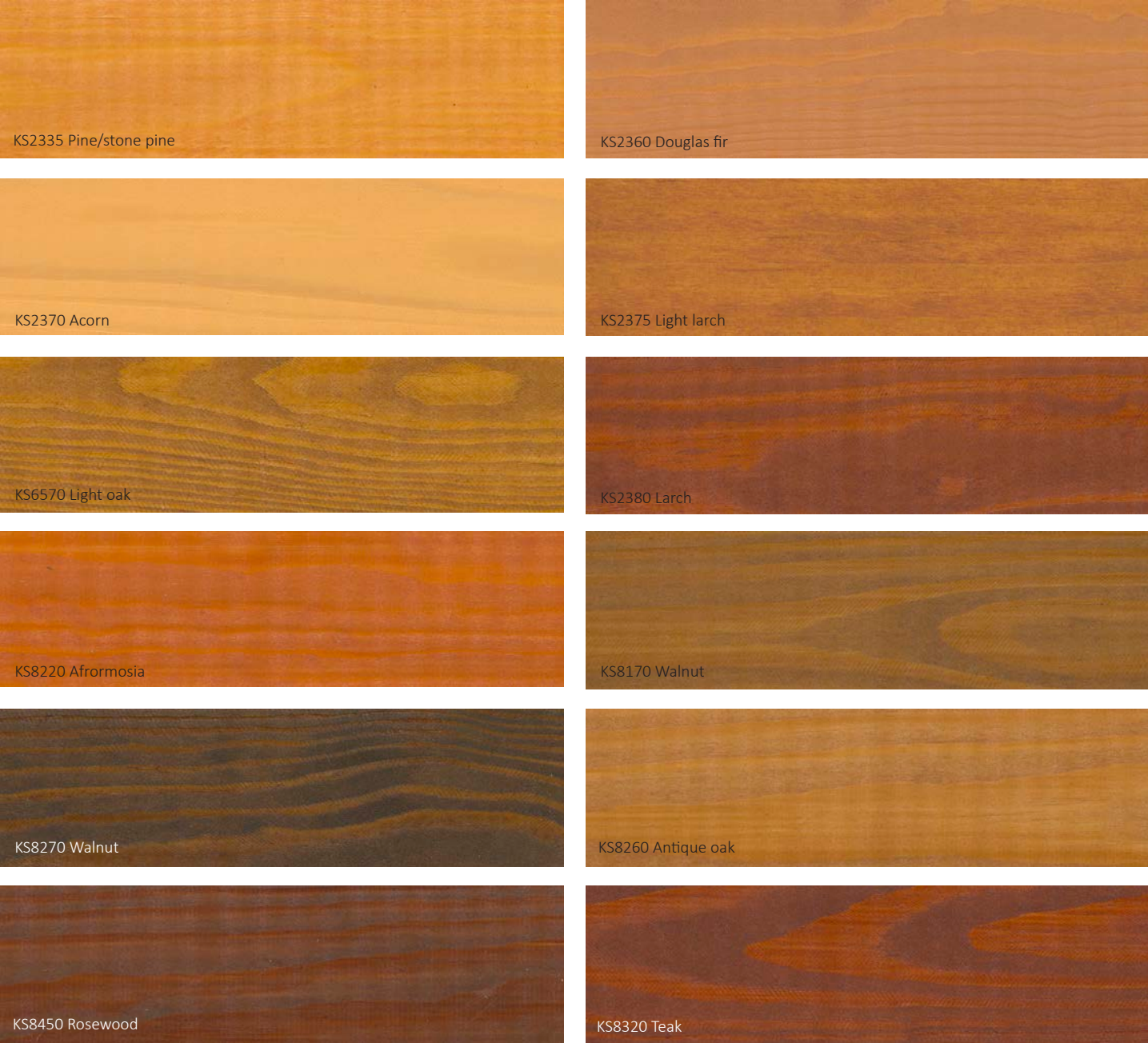
years of development and the continuous and consistent optimisation of our products, we now offer coating systems for BauBuche, with which the components can withstand free weathering in periods of bad weather for a period of 12 weeks. It is no longer necessary to cover with film, which considerably simplifies the practical use of BauBuche and makes it much safer. The current two-layer coating systems, consisting of BauBuche-Primer and BauBuche-Varnish, are available in several variants. We offer systems for machine or manual application. The container sizes are available for every need. The handy 20 litre container for smaller order quantities and custom colours, the IBC (1000 l) with a drain valve for industrial use.



LIGNOPRO® 879 BauBuche Primer Plus
LIGNOPRO® 883 BauBuche Varnish HydroX UV
Outdoor exposure after 6 weeks



Attention: Colour deviations from application in practice are due to printing technology. The samples shown are coated twice. If the accuracy of the colour is vital, we recommend creating a sample.

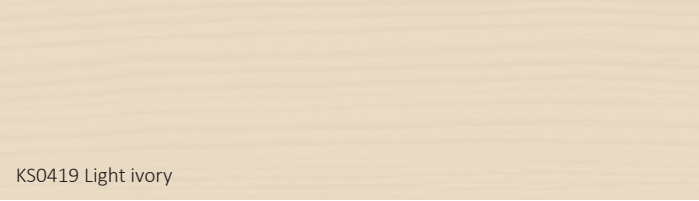
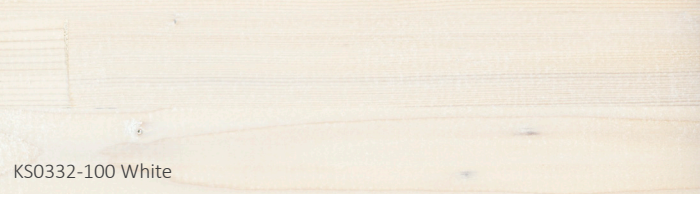


Attention: Colour deviations from application in practice are due to printing technology. The samples shown are coated twice. If the accuracy of the colour is vital, we recommend creating a sample.

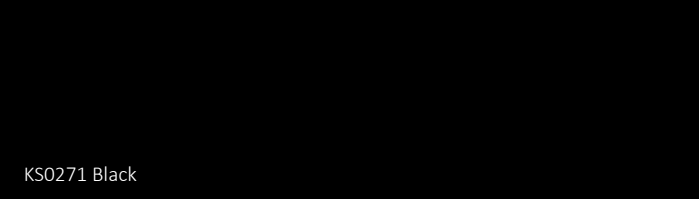




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Attention: Colour deviations from application in practice are due to printing technology. The samples shown are coated twice. If the accuracy of the colour is vital, we recommend creating a sample.



Custom colours available according to RAL, NCS or colour template.



Adding value to your wood!

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