

Wood coatings for industrial applications

Solutions for wooden facades

High-performance	
Safe to use	
Economic	



LIGNOPRO[®] H120 wood protection primer W $\left[\mathbf{T} \right]$



Fungicidal deep protection against rot, blue stain, mould and insects



Area of application

- » Protection of exterior wood not in contact with the ground against rot, blue stain, mould and insects
- » Can only be used in a system with a top coat (varnish, wood top coat)

Properties

- » Colourless, water-dilutable wood protection primer based on natural oils
- » Preventive effectiveness against rot (wood-destroying fungi), blue stain (wood-discolouring fungi), mould and insects
- » Low-odour and odourless once dry
- » Penetrates deep into the wood with the active ingredients
- » Fast drying
- » Improves the adhesion and durability of subsequent coats

Container sizes

1 |; 2.5 |; 5 |; 20 |; 1000 |

Colour shades

KS0000 Colourless

Technical properties

Solvent	Water-dilutable
Binder	Natural oils
Coating ap- pearance	Colourless
Application area	Only exterior
Protection against	Rot, blue stain, mould, insects
Active ingredi- ents	Propiconazole (0.9%), IPBC (0.3%), permethrin (0.1%)
Application rate	160-200 ml/m ²
Application methods	Brushing, spraying (enclosed area), dipping, flooding, machine impregnation
Consumption/ coverage	80-110 ml/m ² per coat
Drying (stand- ard atmos- phere)	Touch-dry after approx. 30-60 min, can be re-coated after 3 h



Deep penetration depth, ideal for deep black facades and substructures



Area of application

- » Decorative surface finish for interior and exterior deep black woods
- » Primer, intermediate coat and/or top coat for exterior wood in a system with a wood protection primer
- » Recommended for limited and not dimensionally stable wooden components

Properties

- » Water-based acrylic alkyd varnish (hybrid varnish)
- » Meets the requirements of EN 71-3 ("Safety of toys"), 53 160 ("Saliva and perspiration fastness" and of RAL UZ-12 a ("Blue Angel")
- » Low odour, easy to apply
- » Emphasises the structure and grain of the wood
- » UV protection through micronised, lightfast pigments
- » Open-pored, open to diffusion
- » Does not peel off- renovation coatings can be applied without extensive pretreatment

Container sizes

20 |; 600 |; 1000 |

Colour shades

- » KSO271 Black
- » Standard colours according to colour chart
- » Custom colours possible





Technical properties

Solvent	Water-dilutable
Binder	Pure acrylates, alkyd resins
Coating ap- pearance	Transparent, satin finish
Application area	Exterior and interior
Protection against	Moisture, UV radiation (greying)*
Application methods	Brushing, spraying, dipping, flooding, machine impregnation, vacuum
Consumption/ coverage	80-110 ml/m ² per coat
Drying (stand- ard atmos- phere)	Touch-dry after approx. 30 minutes, can be re-coated after 1 hour
* No LIV protoction f	ar ealaurlass ar light shadas

* No UV protection for colourless or light shades



For decorative surface finishing of interior and exterior wood.



Area of application

- » For decorative surface finishing of interior and exterior wood
- » Recommended for limited and not dimensionally stable building components

Properties

- » Water-dilutable, thin-layer, ultra-fine pure acrylate varnish
- » Increased solids content
- » Low-odour, minimal film-forming, block-resistant and easy to apply
- » Forms a colourless or transparent, satin film with a medium body
- » The grain of the wood remains visible
- » UV protection through micronised, light-resistant pigments
- » Prevents the wood from greying due to lignin decomposition
- » Moisture regulating, protects against penetrating water,
- remains simultaneously open to diffusion
- » Highly weathering-resistant
- $\,$ » Protected against algae, mould and fungal attacks

Container sizes

20 |; 600 |; 1000 |

Colour shades

- » Standard colours according to colour chart
- » Custom colours possible

Technical properties

Solvent	Water-dilutable
Binder	Pure acrylate
Coating ap- pearance	Transparent, satin finish
Application area	Outdoors
Protection against	Moisture, UV radiation (greying)*
Application methods	Brushing, spraying, machine impregnation, vacuum
Consumption/ coverage	100-120 ml/m ² per coat
Drying (stand- ard atmos- phere)	Touch-dry after approx. 30 minutes, can be re-coated after 2 h
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* No UV protection for colourless or light shades



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LIGNOPRO® 228 colours

Standard colours WL, WP, custom colours







Water-repellent thin-layer varnish with active lignin stabilisers for interior and exterior areas



Area of application

- » Ready-to-apply, water-repellent thin-layer varnish with increased solids content for the decorative finish of interior and exterior wood Minimises discolouration due to UV light
- » Primer, intermediate coat and top coat (system structure in the TM)
- » Recommended for limited and not dimensionally stable wooden components

Properties

- » Water-repellent, pure acrylate-based light-blocking coat with a high solids content
- » Effectively reduces discolouration of the wood caused by UV light (darkening, later greying)
- $\, {\rm *}\,$ Highly weather-proof, moisture-regulating (open to diffusion)
- » Matt, transparent appearance with a medium body
- » Meets the requirements of EN 71-3 ("Safety of toys") and 53160 ("Saliva and perspiration fastness")

Container sizes

20 |; 1000 |

Colour shades

- » Colourless UV, Natural UV
- » Standard colours
- » Custom colours possible after technical inspection

Level of gloss

» Matt

Technical properties

Solvent	Water-dilutable
Binder	Natural waxes, pure acrylates
Coating ap- pearance	Transparent, satin finish
Application area	Interior and exterior
Protection against	Moisture, UV radiation (greying)*, yellowing due to wood ingredients
Application methods	Brushing, spraying, machine impregnation, vacuum
Consumption/ coverage	80-110 ml/m ² per coat
Drying (stand- ard atmos- phere)	Touch-dry after approx. 30 minutes, can be re-coated after approx. 2 h

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LIGNOPRO[®] 244

Hydrophobic surfaces - open to diffusion and moisture regulating



KS0000 Colourless



KS0332-50 White



KS0332-200 White

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.

NATURAL UV

KS1000 Natural



KS0332-100 White



KS1580 spruce



Water-repellent wood oil, penetrates deep into the wood, protects from UV radiation



Area of application

- » Protection of exterior wood, especially facade siding or highquality garden timber
- » Decorative surface finishing
- » Primer, intermediate coat and top coat in a system with a wood protection primer
- » Recommended for limited and not dimensionally stable wooden components

Properties

- » Water-dilutable, natural oil- and alkyd resin-based wood oil
- » Penetrates deep into the wood
- » Particularly suitable for rough or strongly absorbent wood surfaces
- » Extremely water-repellent
- » Triple UV protection: Stabilisation of the binder UV protection through micronised light-resistant pigments, additional UV filter for lighter colours
- » Easy to apply, low odour
- » Renovation coats without extensive pretreatment

Container sizes

20 |; 600 |; 1000 |

Colour shades

- » Standard colours according to colour chart
- » Custom colours possible

Technical properties

Solvent	Water-dilutable
Binder	Alkyd resins, natural oils
Coating ap- pearance	Transparent, satin finish
Application area	Outdoors
Protection against	Moisture, UV radiation (greying)*
Application methods	Brushing, machine impregnation, vacuum
Consumption/ coverage	80-110 ml/m ² per coat
Drying (stand- ard atmos- phere)	Touch-dry after approx. 2-4 h, can be re-coat- ed within 24 h
* No UV protection f	or colourless or light shades

Modern wooden façades with a natural grey finish

Untreated wooden façades do not weather evenly. Stains and streaking are the usual appearance. The desired uniform surface is often only achieved after years. With LIGNOPRO® 320 NATURAL GREY, a natural looking patina is achieved from day one. Thanks to the water-repellent property, the expensive façade is also well protected from the weather.



LIGNOPRO® 320

Pre-greying for natural grey tones











KS7930 Smoke grey







KS7950 Opal grey



KS7960 Carbon grey



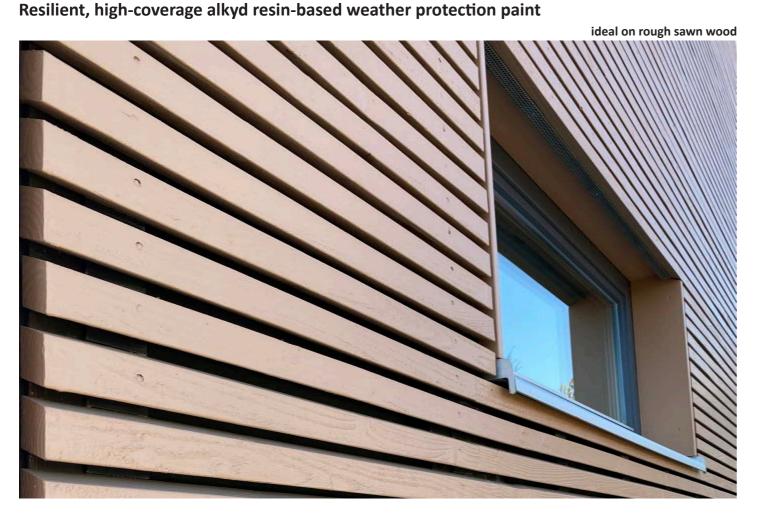
KS7970 Anthracite grey

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LIGNOPRO® 434 Colour samples

Available in RAL, NCS or according to a sample template.



Area of application

- » Decorative finishing of interior and exterior wood
- » Primer, intermediate coat and top coat (system structure in the TM)
- » Recommended for wooden building components with dimensional stability and limited dimensional stability

Properties

- » Modern water-dilutable alkyd resin-based wood top coat
- » Extremely high coverage and adhesion
- » Typical Scandinavian appearance on rough-sawn or finelysawn wood
- » Excellent hardness, easy to sand
- » Block resistant
- » Very good water resistance
- » Also available in a semi-gloss finish
- » Also for mechanical

Container sizes

20 I

Colour shades

- » Standard colours
- » Custom colours possible

Level of gloss

» Matt

Technical properties

Water-dilutable
Alkyd resins
High coverage, matt or semi gloss
Exterior and interior
Moisture, UV radiation (greying)*, yellowing due to wood ingredients
Brushing, machine impregnation, vacuum
80-130 ml/m ² per coat
Touch-dry after approx. 1 h, can be re-coated after 2-4 h

* No UV protection for colourless or light shades

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RAL 7047	C
	RAL 7038

RAL 8001

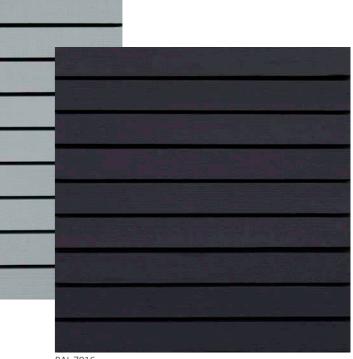




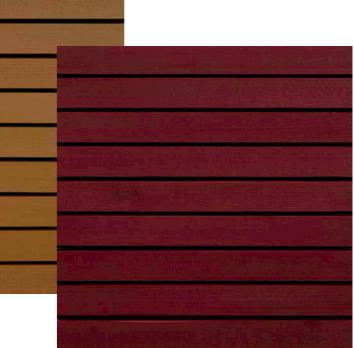








RAL 7016



RAL 3011

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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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