

Lignovit Lasur

5315

Water-based, thin-film wood glaze for industrial and professional use

PRODUCT DESCRIPTION

General

Universal, water-based wood stain based on acrylate and alkyd resin dispersions for exterior wood. The product is characterised by very good workability, high block resistance, good weather resistance and even degradation when exposed to weathering.

Special properties and standards

- The coating is protected against blue stain and mould by a biocidal active substance.

Active substance:

2.4 g/kg (0.24 %) 3-Iod-2-propinylbutylcarbamate

Application area

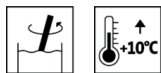


For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates.

We recommend Pullex Bodenöl (4402) for terrace floors and landing stages.

PROCESSING

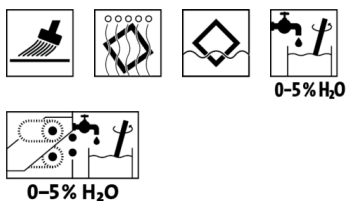
Processing instructions



- Please stir the product before use. However, prevent entry of air while stirring.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- Early exposure to water from rain or dew must be prevented!
- For new timber components we recommend an all-over coating.
- Due to the system, glazes are only step-resistant to a limited extent and therefore require more frequent maintenance.
- The flow of resin cannot be avoided by the coating.
- The leaching of water-soluble wood extracts, especially by heavy rain, can be minimized by an all-over coating and an additional sealing on the end grain surfaces.
- Residual plaster (high level of alkalinity) or ferrous dust (rust formation) may lead to black discoloration on larch wood and other types of wood rich in extracts.
- The colour shade, the compatibility and adhesion with the substrate must be tested by creating samples.
- Ensure good ventilation during application and drying.

- Smooth, planed wooden surfaces are less absorbent and should be given a third coat if necessary.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**

Application technique



	Flow coating	Immersion	Brushing	Coating machine
Diluent	Water		-	Water
Diluent amount added (%)	0-5		-	0-5
Applied quantity per application (ml/m ²)	70 - 100		50 - 70	30 - 50

The product is ready to use.

An additional 40 % material consumption is to be expected on rough sawn timber.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Dust-dry (ISO 1517)	approx. 30 minutes
Sandable and recoatable	approx. 3 – 4 hour(s)
Dried through	approx. 12 hour(s)

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

Cleaning the working equipment



With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8004) (diluted 1:1 with water).

SUBSTRATE

Type of substrate

Softwood planed, sanded or rough sawn.

Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Wood moisture

15 ± 2 %

Preparation of the substrate

For optimal durability we recommend to sand smooth wooden surfaces with grain size 80 – 120 in the direction of the fibre, clean thoroughly and remove wood extractives such as, for example, resins and resin pockets. Round off any sharp edges.

Clean resinous timbers containing drying retardant components with Nitro-Verdünner Aromatenfrei (8017).

Treat outdoor infestation or attack by algae, green covering or mold with Aviva Fungisan (8308).

Please refer to the corresponding technical data sheets of the products.

COATING SYSTEM**General**

The following coating system is exemplary.

Impregnation

If necessary outdoors, apply 1 coat of Lignovit Primo (5358) (applies to timbers of durability class 3-5 according to EN 350) to protect against blue stain, fungal decay and insect infestation.

Intermediate drying time: approx. 4 hours

Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.

Please follow our **ARL 056 - Working guideline for the use of wood preservatives**.

Primer coat

1 x Lignovit Lasur (5315)

Intermediate sanding

If necessary: Slight smooth sanding: Grit size 240 – 280

Remove sanding dust.

Finishing coat

1 x Lignovit Lasur (5315)

MAINTENANCE**Care**

Please follow our **ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Repair**.

ORDERING INFORMATION**Size of trading unit**

4 l; 18 l

Colour shades**Standard colour(s):**

Weide (5315054497)

Eiche (5315054498)

Lärche (5315054499)

Kiefer (5315054500)

Nuss (5315053958)

Palisander (5315053975)

Naturgrau (5315053955)

Kastanie (5315063490)

Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix**.

Base paint(s):

Lignovit Lasur Basis W30 (53135)

The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.

It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.

Apply exclusively pigmented colour shades to ensure a good weather resistance. Colourless is suitable only for temporary application.

When brightening the standard colour shades with Lignovit Lasur colourless (5315), shorter renovation intervals must be expected (reduced UV protection).

Medium colour shades have the best weathering resistance; colours that are too light or too dark should be avoided if exposed to extreme weathering.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

Supplementary products

Aqua-Cleaner (8004)
Lignovit Primo (5358)
Nitro-Verdüner Aromatenfrei (8017)

FURTHER DETAILS

Durability / storage



Min. 1 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use the content as soon as possible.

Technical specifications

VOC content: EU limit for Lignovit Lasur (Kat A/e): 130 g/l.
Lignovit Lasur contains maximum 80 g/l VOC.

Safety-related information



The product is only suitable for the industrial and professional use.

While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at www.adler-lacke.com.