

Lignovit 3in1-Lasur

5327

Matt impregnation glaze for wood protection, for industry and trade

PRODUCT DESCRIPTION

General

Universal, water-based wood protection glaze with biocidal agents, for wood in outside settings. Impregnation and finishing coat in one. This product allows you to create natural, matt surfaces with an even colour.

Stand-out features of this open-pore product include absolute ease of use, very good protection against water, long-term durability and uniform degradation when exposed to weathering.

Special properties and standards

- **Approval as a wood preservative (PT8)**
according to the Biocidal Products Directive of the EU.
- **ÖNORM B 3802-2 or DIN 68800-3**
The active substances used provide the protection required against blue stain (test conforming to EN 152-1) and wood-destroying fungi (test conforming to EN 113), as specified by ÖNORM B 3802-2 or DIN 68800-3, and also prevent insect infestation (test according to EN 46). Confirmed by an external test certificate.
Active substances: B, P, Iv, W
Active agents:
7.2 g/kg (0.72 %) 3-Iod-2-propinylbutylcarbamate
2.0 g/kg (0.20 %) Tebuconazole
0.4 g/kg (0.04 %) Polymeres Betain
0.8 g/kg (0.08 %) Permethrin (ISO)

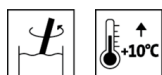
Application area



For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates, etc. in usage classes 2 and 3 without ground contact.

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 limitedly step-resistant and therefore require more frequent maintenance.
- Resin flow cannot be avoided by the coating.
- Water-soluble wood extracts can be leached particularly by driving rain. This can be minimized by an all-over coating and additional sealing of the end grains.
- 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 color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- 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 read and take note of our **ARL 500 – Working guidelines for the coating of components that are not dimensionally stable or have limited dimensional stability – General section** and **ARL 056 – Working guidelines for the use of wood preservers**

Application technique



80 –
100 ml
↓
1 m²

	Brushing	Coating machine	Vacuum coater
Applied quantity per application (ml/m ²)	80 - 100	50 - 70	80 - 100

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



8029

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

SUBSTRATE	
Type of substrate	Softwoods
Substrate property	<p>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.</p> <p>A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.</p>
Wood moisture	15 % ± 2 %
Substrate preparation	<p>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.</p> <p>Clean resinous timbers containing drying retardant components with Nitro-Verdünner 8017 (8017).</p> <p>Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).</p>
COATING SYSTEM	
Impregnation	1 x Lignovit 3in1-Lasur (5327)
Intermediate sanding	<p>If necessary: Slight smooth sanding: Grit size 240 – 280</p> <p>Remove sanding dust.</p>
	
Finishing coat	1 x Lignovit 3in1-Lasur (5327)
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	<p>Standard colour(s): Weide (5327054497) Eiche (5327054498) Lärche (5327054499) Naturgrau (5327053955) Kiefer (5327054500) Nuss (5327053958) Palisander (5327053975)</p> <p>Other colour shades can be obtained using the ADLER colour mixing system ADLERMix.</p> <p>Base paint(s): Lignovit 3in1-Lasur Basis W30 (5327000030)</p>



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 with 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 3in1-Lasur colourless (5327), 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)
Nitro-Verdünner 8017 (8017)
Aviva Fungisan (8308)

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

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 up the content as soon as possible.

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Lignovit 3in1-Lasur (Cat A/f): 130 g/l.
Lignovit 3in1-Lasur contains a maximum of 80 g/l VOC.

Giscode

HSW10

Safety information



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

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust.

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

Wood that has been freshly treated with Lignovit 3in1-Lasur (5327) must be stored on an impermeable, hard surface after coating to prevent residues of the product from penetrating the ground or any bodies of water.

Any leaking product must be collected for reuse or disposal.

Lignovit 3in1-Lasur (5327) contains biocidal agents to protect against blue stain and wood-destroying fungi and helps to prevent insect infestations.

The product should therefore only be used when protection of the wood is prescribed or in specific cases when it is necessary.

Do not use indoors.

Must not be used for the treatment of rooms in which food or animal feed is obtained, produced, stored or sold.

Do not use for wood that will be made into apiaries or sauna complexes and do not use for wood that will be in permanent contact with soil and/or water.

Dangerous for bats.

Treated wood must not be used in the immediate vicinity of water.

Not suitable for wood that could come into direct contact with farm animals (e.g. in stables or fencing for pastures).

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**.
