

Lignovit 3in1-Lasur

5327000030 ff

Matt wood preservative impregnation-glaze for industrial and professional use

PRODUCT DESCRIPTION

General

Universal water-based wood preservative glaze with active biocidal agents for wood used outdoors. Primer and final coating in one. With the product you will obtain natural matt surfaces with uniform coloration.

The open pored product is characterized by very good processability, excellent water resistance, long durability and uniform degradation when exposed to weathering.

Special properties and standards

- The active substances used provide the protection required against blue stain (test conforming to DIN EN 152) 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).

Active substances (B, P, Iv)

7,2 g / kg (0,72 %) IPBC (iodopropynylbutylcarbamate)

2,0 g/kg (0,20%) tebuconazole

0,4 g/kg (0,04%) polymer betain

0,8 g/kg (0,08%) permethrin

- French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



Application area



- For non-dimensionally stable and limited dimensionally stable timber components in the outdoor area such as wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates, etc. in usage classes 2 and 3 without ground contact.
- We recommend Pullex Bodenöl 50527 ff for terrace floors and landing stages.

PROCESSING

Instructions for use



- Please stir the product before use.
- 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.
- For new timber components we recommend an all-over coating

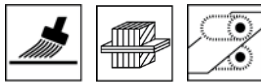
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Fon: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Email: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing the suitability of the product. Otherwise our General Terms of Sale apply. All previous specifications become invalid with this edition. Packaging sizes, colors and available gloss values are subject to change.

- Due to the system, glazes are only limitedly step-resistant and therefore require more frequent maintenance.
- The flow of resin cannot be avoided based on the coating method.
- 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.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**
- Please follow our **ARL 056 - Working guideline for the use of wood preservatives.**

Application technique



Application method	Brushing	Vacumat	Brushing machine
Application	2x	2x	2x
Yield per application planed/sanded (g/m ²) ¹⁾	approx. 12	approx. 10	approx. 14
Yield per application rough sawn (m ² /l)	approx. 8	approx. 7	approx. 10

The product is ready to use.

The shape, the properties and moisture of the substrate affect the consumption/yield. 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)	after approx. 30 min.
Grindable	after approx. 3–4 hours
Recoatable	after approx. 3–4 hours
Dried through	after approx. 12 hours

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.

On types of woods rich in extracts (such as oak, iroko), the drying process may take longer.

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

Avoid direct sunlight (very quick drying).

Cleaning the working equipment




With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE

Type of substrate	Planed, sanded or rough sawn softwood
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	Softwoods: 15 % +/- 2 %.
Preparation of the substrate	<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 highly resinous timbers containing drying retardant components with ADLER Nitroverdünnung 80001.</p> <p>Treat outdoor infestation or attack by algae, green covering or mold with Aviva Fungisan 8308000210.</p> <p>Please observe the relative technical data sheets of the products.</p>

COATING SYSTEM

Impregnation	1 x Lignovit 3in1-Lasur 5327000030 ff
Intermediate sanding	<p>Slight smooth sanding: Grit size 280</p> <p>Remove sanding dust.</p>
	
Finishing coat	1 x Lignovit 3in1-Lasur 5327000030 ff

MAINTENANCE & RENOVATION

Maintenance	<p>The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.</p> <p>If required, remove dust and dirt from the still intact areas and paint 1 - 2 x with Lignovit 3in1-Lasur 5327000030 ff.</p> <p>Please follow our ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Renovation.</p>
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ORDERING INFORMATION

Size of trading unit	4 l, 18 l			
Colour shades	Weide	5327054497	Kiefer	5327054500
	Eiche	5327054498	Nuss	5327053958
	Lärche	5327054499	Palisander	5327053975
	Naturgrau	5327053955		



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

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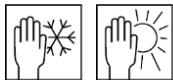
- The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess 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.
- Moderate colour shades have the best weather resistance; avoid very light or dark colour shades under extreme climatic conditions.
- Please consume blended products within 3 months.

Supplementary products

Pullex Bodenöl 50527 ff
ADLER Nitroverdünnung 80001
Aviva Fungisan 8308000210
ADLER Aqua-Cleaner 80080

FURHTER DETAILS

Durability / storage



At least 1 year in the original sealed containers.

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

Technical specifications

VOC content EU threshold for Lignovit 3in1-Lasur (cat. A/f): 130 g/l (2010). Lignovit 3in1-Lasur contains < 80 g/l VOC.

Safety-related information



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.

The product is only suitable for the industrial and professional use

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

Wood freshly treated with Lignovit 3in1-Lasur must be stored on an impermeable, hard substrate after painting to prevent product residue from penetrating into the ground or waters. Any leaking product must be collected for reuse or disposal.

Lignovit 3in1-Lasur contains active biocidal substances to protect against blue stain, wood-destroying fungi and has a preventive effect against insect infestation. 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. Do not apply in rooms which are used to gain, produce, store or sell food and feed. Do not use for wood that is fitted in apiaries or saunas and for wood in permanent contact with the ground and/or waters. Danger for bats. Treated wood must not be used in the immediate vicinity of water.