

## Lignovit 3in1-Lasur FS

5202

Matt wood stain impregnation for professional and industrial use

### PRODUCT DESCRIPTION

#### General

Universal water-based wood stain for exterior wood. Primer and top coat in one. The product can be used to create natural, matt surfaces with uniform colouration. The open-pore product is characterised by very good processability, very good water resistance, long durability and uniform 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-iodo-2-propynylbutylcarbamate

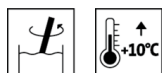
#### Application area



Non-dimensionally stable and semi-dimensionally stable wooden components for exterior use, e.g. timber houses, timber cladding, canopies, profiled boards, shutters, balconies or gates.

### 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 wooden components, we recommend priming on all sides.
- Due to the system, glazes are only limitedly step-resistant and therefore require more frequent maintenance.
- Resin flow cannot be avoided by the coating application.
- 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 colour shade stability.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**

### Application technique



|                                          | Brushing | Coating machine | Vacuum coater |
|------------------------------------------|----------|-----------------|---------------|
| Applied quantity per application (ml/m²) | 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 Clean Aqua-Cleaner (8029) (diluted 1:1 with water).

## SUBSTRATE

### Type of substrate

Softwoods

### 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 %

**Substrate preparation**

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 resin-rich woods containing drying retardant components with Nitro-Verdünner 8017 (8017).

Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).

**COATING SYSTEM****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 3in1-Lasur FS (5202)

**Intermediate sanding**

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

Remove sanding dust.

**Finishing coat**

1 x Lignovit 3in1-Lasur FS (5202)

**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; 22 l; 100 l

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

RAL7047 Telegrau 4 (5202007047)

RAL9005 Tiefschwarz (5202009005)

NCS S 3000-N (5202011096)

NCS S 4500-N (5202011552)

C12 177/1 Moby Dick (5202013232)

C12 177/3 Jakobsmuschel (5202013234)

Altgrau, wie 50500 (5202064632)

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

**Base paint(s):**

Lignovit 3in1-Lasur FS Basis W30 (5202000030)

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 FS colourless (5202), 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

Aviva Fungisan (8308)  
Clean Aqua-Cleaner 8029 (8029)  
Lignovit Primo (5358)  
Nitro-Verdünner 8017 (8017)

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 FS (Cat A/f): 130 g/l.  
Lignovit 3in1-Lasur FS contains a maximum of 90 g/l VOC.

### Giscode

BSW50

### 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.

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](http://www.adler-lacke.com)**.