

Lignovit Spritzfertig

5353

Water-based **opaque** or **wood stain-pigmented wood coating** for professional and industrial use

PRODUCT DESCRIPTION

General

Water-based wood coating, optionally pigmented for opaque or wood stain finishes. The product is characterised by excellent weather resistance, good block resistance and very good processability. The product is optimised for application using airless or compressed-air spray equipment.

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
- In combination with a low-flammability substrate, e.g. Okoume board, coating systems based on Lignovit Spritzfertig NG are classified as B-s2,d0 in accordance with DIN EN 13501-1.
- French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+



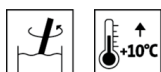
Application area



For non-dimensionally stable and limited dimensionally stable timber components in outdoor areas such as wooden houses, timber cladding, canopies, fences, window shutters, balconies, gates, etc.

PROCESSING

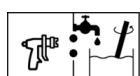
Processing instructions



- 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 %.
- When changing from Lignovit Spritzfertig (5353) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Early exposure to water from rain or dew must be prevented!
- For new wooden components, we recommend priming on all sides.
- 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.
- Increased consumption can be expected on rough sawn substrates.
- 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

0–5% H₂O0–10% H₂O

150 –
200 g
↓
1 m²

	Airless	Cup gun
Spraying nozzle Ø (mm)	0,28 – 0,33	1,8 – 2,0
Spray nozzle (Ø inch)	0,011 – 0,013	-
Nozzle angle (°)	20 – 40	-
Spraying pressure (bar)	80 – 100	3 – 4
Spraying distance (cm)	25	
Diluent	Water	
Diluent amount added (%)	0 – 5	0 – 10
Applied quantity per application (g/m ²)	150 – 200	
Wet film (µm)	125 – 200	

The product is ready to use.

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)



3–4 h

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).
COATING SYSTEM	
General	The following coating systems are 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	For colored shades: 1 x Lignovit Spritzfertig (5353) Wet film thickness: 125 - 150 µm (for Okoume façade panels 175–200 µm) White & pastel colours: 1 x Lignovit Sperrgrund (5322) Wet film thickness: 100 - 125 µm Intermediate drying time: approx. 4 hours Transparent colours: 1 x Lignovit Lasur (5315) Intermediate drying time: approx. 6 hours
Intermediate sanding 	If necessary: Slight smooth sanding: Grit size 240 – 280 Remove sanding dust.
Finishing coat	For colored shades: 1 x Lignovit Spritzfertig (5353) Wet film thickness: 125 - 150 µm (for Okoume façade panels 175–200 µm) White & pastel colours: 1 x Lignovit Spritzfertig (5353) Wet film thickness: 175 - 200 µm

Transparent colours:

1 x Lignovit Spritzfertig (5353)

Wet film thickness: 150 - 200 µm

(use transparent colour shades matched as a system – see comparison table under colours/degrees of gloss)

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

Colour shades / Glosslevels

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

Base paint(s):

Lignovit Spritzfertig W10 Weiß, tönbar (5353000010)

Lignovit Spritzfertig Basis W30 (5353000030)

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.

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

Comparison table for standard transparent colour shades:

Colour shade	Lignovit Lasur	Lignovit Spritzfertig
Willow	5315054497	5353054497
Oak	5315054498	5353054498
Larch	5315054499	5353054499
Pine	5315054500	5353054500
Walnut	5315053958	5353053958
Rosewood	5315053975	5353053975

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

Supplementary products

Clean Aqua-Cleaner 8029 (8029)

Lignovit Lasur (5315)

Lignovit Primo (5358)

Lignovit Sperrgrund (5322)

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 Spritzfertig (Cat A/d): 130 g/l.
Lignovit Spritzfertig contains a maximum of 60 g/l VOC.

Giscode

BSW50

Safety information



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

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2). When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust.

Ensure good ventilation during application and drying.

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.