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Technical data sheet

ADLER
Paint runs through our veins.

Lignovit Spritzfertig NG 5353000010 ff

Water-based, **either opaque or transparent** pigmented wood coating for **industrial and professional use**

PRODUCT DESCRIPTION

General

Water-based, either opaque or transparent pigmented wood coating. The product is characterised by excellent weathering resistance, good block-resistance and very good processability. The product is optimized for use with airless or compressed air spray equipment.

Special properties and standards

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

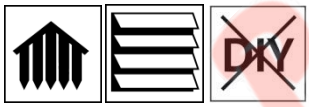
  Active substance:
  0.3 % (3.0 g/100 g) iodpropinyl butylcarbamate (IPBC)

- Fire behaviour in accordance with ÖNORM EN 13501-1 (only in connection with a substrate with low flammability (e.g. okoume board)

  - Fire behaviour B
  - Smoke production s2 **B-s2,d0**
  - Flaming droplets d0

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

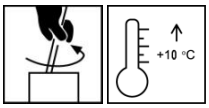
Application areas



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

PROCESSING

Instructions for use



- 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.
- For new timber components we recommend an all-over coating
- Please follow our **"Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part".**

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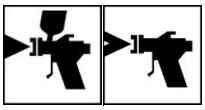
Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

Application technique



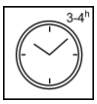
Application method	Airless	Cup gun
Spraying nozzle (ø mm)	0.28 or 0.33	1.8 – 2.0
Spraying nozzle (ø inch)	0.011 or 0.013	-
Spraying angle(degrees)	20 – 40	-
Spraying pressure (bar)	80 – 100	3 - 4
Spraying distance (cm)	approx. 25	
Dilution (thinning)	water	
Addition of thinner in %	0 – 5	0 – 10
Application quantity (g/m²)	approx. 150 – 200	
Wet film (µm)	approx. 125 – 200	
1) Yield including addition of thinner and loss while spraying		

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.

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

Softwood planed, sanded or rough sawn.

Substrate property (or condition)

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.

Wood moisture

13 % +/- 2 %

Preparation of the substrate

For optimal durability, we recommend sanding smooth wooden surfaces such as planed wood with grit size 80 in the direction of the fiber, cleaning them thoroughly and removing wood extractives, such as resin and pitch pockets. Round off any sharp edges.

COATING SYSTEM

Impregnation

If necessary, apply 1 coat of Lignovit IG 53134 in outdoor areas (applies to timbers of durability inferior to class 3 according to EN 350-2).) to protect against blue stain, fungal decay and insect infestation.

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

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Primer coat	**White and lighter pastel colours:** 1x Lignovit Sperrgrund 40960 Wet-film thickness 100 - 125 µm Intermediate drying: approx. 3 - 4 hours **Bright colours:** 1 x Lignovit Spritzfertig NG 5353000010 ff Wet-film thickness 125 - 150 µm (on okoume façade panels 175 – 200 µm) **Transparent colours:** 1 x Lignovit Lasur 53135 ff Intermediate drying: approx. 6 hours Please observe the relative technical data sheets of the products.
Intermediate sanding 	Slight smooth sanding: Grit size 240 – 280 Remove sanding dust.
Final coat	**Bright colours:** 1 x Lignovit Spritzfertig NG 5353000010 ff Wet-film thickness 125 - 150 µm (on okoume façade panels 175 – 200 µm) **White and lighter pastel colours:** 1 x Lignovit Spritzfertig NG 5353000010 ff Wet-film thickness 175 - 200 µm **Transparent colours:** 1 x Lignovit Spritzfertig NG 5353000010 ff Wet film thickness 150 – 200 µm (Use transparent colour shades (matched as a system) – see comparison table under colours/degrees of gloss)

MAINTENANCE AND RENOVATION

Maintenance and renovation	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. If required, remove dust and dirt from the still intact areas and paint 1 x mit Pullex Top-Lasur 50550 ff (transparent) or 1x Pullex Color 50530 ff (opaque). Please follow our **“Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Renovation”.**

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ORDERING INFORMATION

Size of trading unit

4 l; 22 l

Color shades/degree of gloss

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

Base paints:

Weiß W10	5353000010
Base 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 having the same batch number on a given surface.

Comparison table for standard transparent colour shades:

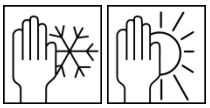
Colour shade	Lignovit Lasur	Lignovit Spritzfertig NG
Weide	53136	5353054497
Eiche	53137	5353054498
Lärche	53138	5353054499
Kiefer	53139	5353054500
Nuss	53144	5353053958
Palisander	53145	5353053975

Supplementary products

ADLER Aqua-Cleaner 80080
Lignovit IG 53134
Lignovit Sperrgrund 40960
Lignovit Lasur 53135 ff
Pullex Top-Lasur 50550 ff
Pullex Color 50530 ff

FURTHER 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 Spritzfertig NG (Cat. A/d): 130 g/l (2010). Lignovit Spritzfertig NG contains a maximum of 70 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 industrial and professional use.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).