

Lignovit Plus

53220 ff

Water-based, thin-film **wood glaze** for **industrial and professional use**

PRODUCT DESCRIPTION

General

Water-based, thin-film, block resistant wood glaze for exterior use based on acrylate and alkyd resin dispersion for industrial and professional use. The product is characterised by very good processability, good weather resistance and uniform degradation when exposed to weathering.

Special properties and standards



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

Active substance:

3,0 g / kg (0,3 %) IPBC (iodopropynylbutylcarbamate)

- 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 for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates, etc.
- We recommend Pullex Bodenöl 50527 ff for terrace floors and landing stages.
- Particularly suitable for softwoods.
- Not suitable for direct contact with food or forage.
- Not suitable for wood with permanent ground and/or water contact.
- In the case of highly resinous Siberian larch and cedar, the durability of the coating system may be reduced on planed wood.
- Please observe the relative technical data sheets of the products.

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.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.

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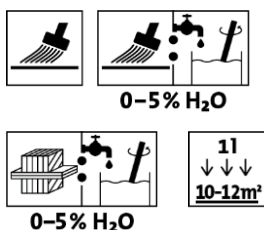
ADLER-Werk Lackfabrik, A-6130 Schwaz

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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 is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check 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.

- 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
- 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.**

Application technique



Application method	Vacumat	Brushing
Application	2 x	
Dilution (thinning)	water	
Addition of thinner in %	0 - 5	
Yield per application (m ² /l)	-	approx. 10 – 12 (planed)
Quantity per application (g/m ²)	90 – 120 (planed)	-

¹⁾ Yield including addition of thinner.

The product is ready to use.

The shape and properties of the substrate and wood moisture 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	approx. 30 minutes
Grindable	approx. 3 – 4 hours
Recoatable	approx. 3 – 4 hours
Dried through	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.

Low temperatures and / or high levels of atmospheric humidity can increase the drying time considerably


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	Softwood planed, sanded or rough sawn. Increased consumption can be expected on rough sawn substrates.
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. A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.
Wood moisture	15 % +/- 2 %
Preparation of the substrate	Wood and wood-based materials, outdoors 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 highly resinous timbers containing drying retardant components with ADLER Nitroverdünnung 80001. Please observe the relative technical data sheets of the products.
COATING SYSTEM	
Impregnation	If necessary outdoors, apply 1 coat of Lignovit Primo 5358000200 (applies to timbers of durability class worse than 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.
Primer coat	1 x Lignovit Plus 53220 ff
Intermediate sanding	Slight smooth sanding with grit size 220 - 240 Remove sanding dust.
	
Final coat	1 x Lignovit Plus 53220 ff
MAINTENANCE & 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 - 2 x with Lignovit Plus 53220 ff. Please follow our ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Renovation.

ORDERING INFORMATION

Size of trading unit 4 l, 18 l

Colour shades



Base coat:

W30 53220 base for tinting

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

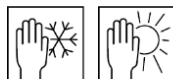
- The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess 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. Colourless is suitable only for temporary application.
- Medium colours have the best weathering resistance; colours that are too light or too dark should be avoided if exposed to extreme weathering.

Supplementary products

Lignovit Primo 5358000200
ADLER Nitroverdünnung 80001
ADLER Aqua-Cleaner 80080

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

Delivery viscosity	Approx. 20 s according to DIN 53211 (4 mm cup, 20 °C)
VOC content	EU threshold for Lignovit Plus (cat. A/e): 130 g (2010). Lignovit Plus contains a maximum of 90 g 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