

Lignovit Sperrgrund

40960

Water-based, white **wood primer** with insulating effect for **industrial and professional** use

PRODUCT DESCRIPTION

General

Water-based, white wood primer for industrial and professional exterior use. The product is based on a special acrylate dispersion and is characterised by its very good insulating effect against coloured wood substances and resin.

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 (Iodpropinylbutylcarbamate)

- 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.

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 %.
- 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.
- Full development of the insulating effect after drying overnight.

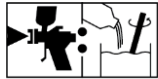
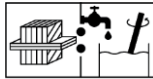
08-20 (supersedes 02-16) ZKL 5322

ADLER-Werk Lackfabrik, A-6130 Schwaz
 Phone: 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 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.

- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**

Application technique

0-5% H₂O0-5% H₂O

Application method	Brushing	Cup gun	Vacumat
Application	2 x	1 x	
Spray nozzle (ø mm)	-	1.7 – 2.0	-
Spraying pressure (bar)	-	3 – 4	-
Spraying distance (cm)	-	approx. 25 cm	-
Dilution (thinning)	-	water	
Thinner amount added in %		0 - 5	
Application quantity (g/m ²)		100 – 125	100 – 125
Yield per application (m ² /l)	approx. 10 – 12 (planned)	-	-

¹⁾ Yield including addition of thinner.

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	approx. 30 minutes
Grindable	approx. 3 – 4 hours
Recoatible	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.

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


Avoid direct sunlight (very quick drying).

Cleaning the working equipment

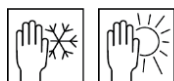


With water immediately after use.

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

SUBSTRATE	
Type of substrate	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	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 3-5 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 Sperrgrund 40960 Intermediate drying: approx. 3 - 4 hours
Intermediate sanding	If necessary, smooth sanding: grit size 280 Avoid through sanding! Too heavy intermediate sanding will reduce the isolation effect and must be avoided! Remove sanding dust.
	
Final coat	1 x Lignovit Color STQ 5343000010 ff or 1 x Lignovit Spritzfertig NG 5353000010 ff Please observe the relative technical data sheets of the products.
ORDERING INFORMATION	
Size of trading unit	4 l, 18 l
Colour shades	Weiß 40960
Supplementary products	ADLER Nitroverdünnung 80001 ADLER Aqua-Cleaner 80080 Lignovit Primo 5358000200 Lignovit Color STQ 5343000010 ff Lignovit Spritzfertig NG 5353000010 ff

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 treshold for Lignovit Sperrgrund (cat. A/d): 130 g/l (2010). Lignovit Sperrgrund contains a maximum of 40 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

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