

## Lignovit Sperrgrund

5322

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

### PRODUCT DESCRIPTION

#### General

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

#### Special properties and standards



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

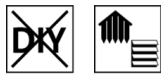
**Active substance:**

2.4 g/kg (0.24 %) 3-Iod-2-propinylbutylcarbamate

- **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 for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates.

### PROCESSING

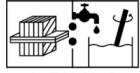
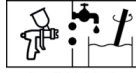
#### Processing instructions



- 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.
- For new timber components we recommend an all-over coating.
- Resin flow cannot be avoided by the coating.
- 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.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**
- 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 color stability.

### Application technique

0-5% H<sub>2</sub>O0-5% H<sub>2</sub>O

	Cup gun	Brushing	Vacuum coater
Spraying nozzle Ø (mm)	1,7 - 2,0	-	-
Spraying pressure (bar)	3 - 4	-	-
Spraying distance (cm)	25	-	-
Diluent	Water	-	Water
Diluent amount added (%)	0 - 5	-	0 - 5
Applied quantity per application (ml/m <sup>2</sup> )	100 - 125	80 - 100	100 - 125
Total quantity applied (ml/m <sup>2</sup> )	-	160 - 200	-

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 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 %

<b>Substrate preparation</b>	<p>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.</p> <p>Clean resinous timbers containing drying retardant components with Nitro-Verdünner 8017 (8017).</p>
<b>COATING SYSTEM</b>	
<b>General</b>	The following coating systems are exemplary.
<b>Impregnation</b>	<p>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.</p> <p>Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.</p> <p>Please follow our <b>ARL 056 - Working guideline for the use of wood preservatives.</b></p>
<b>Primer coat</b>	<p>1 x Lignovit Sperrgrund (5322)</p> <p>Intermediate drying: approx. 4 hour(s)</p>
<b>Intermediate sanding</b> 	<p>If necessary: Slight smooth sanding: Grit size 240 – 280</p> <p>Avoid sanding straight through! Too heavy intermediate sanding will reduce the isolation effect and must be avoided!</p> <p>Remove sanding dust.</p>
<b>Finishing coat</b>	<p>1 x Lignovit Color STQ (5343)</p> <p>or</p> <p>1 x Lignovit Spritzfertig (5353)</p>
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	4 l
<b>Colour shades</b>	<p><b>Standard colour(s):</b> Weiß (5322050000)</p>
<b>Supplementary products</b>	<p>Aqua-Cleaner 8029 (8029) Nitro-Verdünner 8017 (8017) Lignovit Primo (5358) Lignovit Color STQ (5343) Lignovit Spritzfertig (5353)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>
<b>FURTHER DETAILS</b>	
<b>Durability / storage</b>  	<p>Min. 1 year(s) in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p> <p>Close opened containers well and use up the content as soon as possible.</p>
<b>Technical specifications</b>	<p>VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Lignovit Sperrgrund (Cat A/d): 130 g/l. Lignovit Sperrgrund contains a maximum of 40 g/l VOC.</p>

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**Giscode**

BSW50

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**Safety information**



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

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).

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