

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 substances in wood and resin.

Special properties Testing standards

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

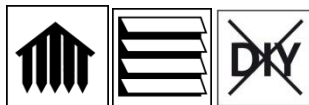
Active substance:

0.3% (0.3 g / 100 g) IPBC (3-iodopropinyl butylcarbamate)

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



Application areas



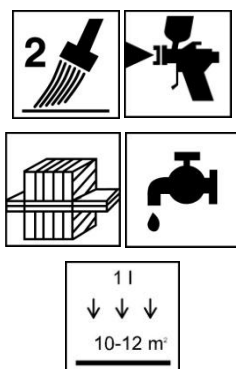
- For non-dimensionally stable and limited dimensionally stable timber components for exterior use such as wooden houses, wood cladding, canopies, fences, window shutters, balconies, gates, etc. in usage classes 2 and 3 without ground contact.

PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product and object, as well as the room temperature must be at least + 10 °C.
- Avoid direct sunlight (very quick drying).
- For new timber components we recommend an all-over coating
- The flow of resin cannot be avoided based on the coating method.
- The washing out of water-soluble substances in the wood, especially during driving rain, can be minimised by an all-round coating and an additional coat of paint on the end-grain surfaces.
- Increased consumption can be expected on rough sawn substrates.
- Please follow our **“Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part”**.

Application technique

Application method	Brushing	Spraying	Vacumat
Spraying 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 %		up to 5	
Application quantity (g/m²)		100 – 125	100 – 125
Application	2 x	1 x	
Yield per application (m²/l)	approx. 10 – 12 (planed)	-	-

The product is ready for use.

The shape, 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
Recoatable	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.

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

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe 95125.

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.

Please observe and follow ÖNORM B 2230 Part 1.

See also VOB, Part C, DIN 18363, Paragraph 3, painting and coating work.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Wood moisture

12 - 15 %

Preparation of the substrate	<p>Wood, wood-based materials outside</p> <p>For optimal durability, we recommend sanding smooth wooden surfaces with grit size 80 - 120 in the direction of the fiber, cleaning them thoroughly and removing wood extractives, such as resin and pitch pockets. Round off any sharp edges.</p> <p>Clean highly resinous timbers containing drying retardant components with ADLER Nitroverdünnung 80001.</p> <p>Please observe the respective technical data sheets of the products.</p>
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COATING SYSTEM

Impregnation	<p>If necessary, apply 1 coat of Lignovit IG 53134 (applies to timbers of durability class 3-5 according to EN 350-2.) to protect against blue stain, fungal decay and insect infestation in the outdoor area.</p> <p>Please observe the respective technical data sheets of the products.</p>
Primer coat	<p>1 x Lignovit Sperrgrund 40960</p> <p>Intermediate drying: approx. 3 – 4 hours</p>
Intermediate sanding	<p>If necessary smooth sanding with grit size 280. Avoid sanding straight through! Too heavy intermediate sanding will reduce the isolation effect and must be avoided!</p> <p>Remove sanding dust.</p>
Final coat	<p>1 x Lignovit Color 53223 or 1x Lignovit Spritzfertig 42981 ff</p> <p>Please observe the respective technical data sheets of the products.</p>

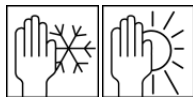


ORDERING INFORMATION

Size of trading unit	18 l
Colours	Weiß 40960
Supplementary products	<p>ADLER Nitroverdünnung 80001</p> <p>ADLER Aqua-Cleaner 80080</p> <p>ADLER Abbeizer Rote Krähe 95125</p> <p>Lignovit IG 53134</p> <p>Lignovit Color 53223</p>

FURTHER DETAILS

Durability / storage	<p>At least 1 year 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>
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Technical specifications	<p>Delivery viscosity approx. 25 s in accordance with DIN 53211 (4-mm cup, 20°C)</p> <p>VOC content treshold for Lignovit Sperrgrund (Cat. A/d): 130 g/l (2010). Lignovit Sperrgrund contains a maximum of 30 g/l VOC.</p>
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Safety-related information	<p>Please pay attention to the associated safety data sheet. The current version can be accessed on the Internet at www.adler-lacke.com.</p> <p>The product is only suitable for industrial and professional use.</p>
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