

Lignovit Color BQ

5200

Water-based **opaque wood coating** for **brushing** for industrial and professional use

PRODUCT DESCRIPTION

General

Water-based, medium-build wood coating based on a high-quality acrylic dispersion. Primer and top coat for silk-matt surfaces for exterior use. The easy-to-apply product is characterised by high block resistance and good weather resistance.

Special properties and standards



- Does not contain any active substances of chemical wood- and film preservatives.
- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)
- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties
- **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.

For coating interior wall and ceiling elements.

PROCESSING

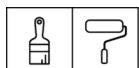
Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °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.
- Early exposure to water from rain or dew must be prevented!
- For new timber components, we recommend a primer coating on all sides.
- Resin flow cannot be avoided by the coating application.
- 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.

- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- Smooth, planed wooden surfaces are less absorbent and should be given a third coat if necessary.
- 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.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**

Application technique



60 -
80 ml
↓
1m²

	Brushing	Rolling
Applied quantity per application (ml/m²)	60 - 80	

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)



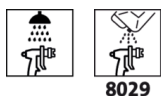
Dust-dry (ISO 1517)	approx. 30 minutes
Sandable and recoatable	approx. 3 - 4 hour(s)
Dried through	approx. 12 hour(s)

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



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

Softwood as well as plywood materials which are suitable for the exterior, such as, for example, solid wooden boards, glued laminated timber (GLT or Glulam) and solid structural timber (SST).

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 %

Substrate preparation

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 resinous timbers containing drying retardant components with Nitro-Verdünner 8017 (8017).

Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).

COATING SYSTEM

General	The following coating systems are exemplary.
Impregnation	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. Intermediate drying time: approx. 4 hours Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use. Please follow our ARL 056 - Working guideline for the use of wood preservatives.
Primer coat	1 x Lignovit Color BQ (5200) For critical wood quality or for optimal stain-blocking effect with white and light pastel shades: additionally apply 1 x Lignovit Sperrgrund (5322) beforehand
Intermediate sanding 	If necessary: Slight smooth sanding: Grit size 240 – 280 Remove sanding dust.
Finishing coat	1 x Lignovit Color BQ (5200)

MAINTENANCE

Care	Please follow our ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Repair .
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ORDERING INFORMATION

Size of trading unit	4 l and 22 l (base W10) 3.8 l and 20.9 l (base W30)
Colour shades 	Base paint(s): Lignovit Color BQ W10 Weiß, tönbar (5200000010) Lignovit Color BQ Basis W30 (5200000030) Other colour shades can be obtained using the ADLER colour mixing system ADLERMix. 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 with the same batch number on a given surface. Please consume blended products within 12 months. Please observe our ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.

Supplementary products

Aqua-Cleaner 8029 (8029)
 Aviva Fungisan (8308)
 Lignovit Primo (5358)
 Lignovit Sperrgrund (5322)
 Nitro-Verdünnern 8017 (8017)
 Abbeizer Rote Krähe Extrem (8314)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS**Durability / storage**

Min. 2 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Lignovit Color BQ (Cat A/d): 130 g/l.
 Lignovit Color BQ contains a maximum of 50 g/l VOC.

Giscode

BSW30

DGNB (German Sustainable Building Council)

Quality level 4 (with factory coating)

Safety information

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

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust.

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**.

Ensure good ventilation during application and drying.