

**BARVA LAKY****LAZUROL® UNIVERSAL VARNISH S 1002**

Transparent varnish

Page number: 01

Composition Solution of alkyd resins in organic solvents with addition of drying agents. Moreover, matt varnish contains matting agent.

Characteristics and use Universal varnish with glossy or matt surface endowed with excellent mechanical properties. The product is not intended for coatings that come into direct contact with food, feed and drinking water and for coatings of children's furniture and toys. The product can be used on surfaces that come into indirect food contact.

- ◆ excellent decorative properties
- ◆ perfect levelling
- ◆ easy application

Application area Substrate: wood, chipboard, cork, metal
 Environment: interior, exterior
 Examples: wooden wall and ceiling facing, metallic items, wooden and metallic rails

Shades 0000 – colourless glossy; 0001 – colourless matt

Physical properties	Flow time	120 – 150 s (cup Ford Ø 4 mm)
	Weight solids	> 58 %
	Volume solids	50 %
	Flash point	30 °C
	Density	900 - 960 kg/m ³

Emission limits	VOC: 0.40 kg/kg	TOC: 0.33 kg/kg
	Product subcategory: A/e	Threshold value (2010): 400 g/l
	Max. VOC content in ready to use state: 399 g/l	

Properties of dried coat	Gloss / 0000 glossy	degree 1 - 2
	Gloss / 0001 matt	degree 4 - 5
	Pendulum hardness / Persoz	up 10 % in 5 days
	Cupping test	6 mm
	Bend test	perfect (cylindrical mandrel Ø 2 mm)

Drying time	Surface temperature	23 °C
	Dust free	< 6 hours
	Dry through	< 32 hours
	Dry film thickness DFT	25 – 30 µm

Spreading capacity	Wet film thickness WFT	60 - 70 µm
	Dry film thickness DFT	30 - 35 µm
	Theoretical spreading capacity	14 - 17 m ² /l

Thinning S 6006

Surface preparation Before the application, the timber surface shall be clean, dry, well smoothed, with max. 12% humidity and free of resin residues. The timber surface with high content of resins (larch, pine) shall be cleaned of all resin residues, e.g. by washing by C 6000 nitro-solvent. Quality of wood preparation determines overall look of the wood final finish and affects total lifetime of the coating system. First it is recommended to treat the timber surface with a suitable impregnation, which ensures uniform absorbency and higher protection of the timber surface of wood (in case of using fungicidal impregnation also protection against attack of mould, fungi and insects. Subsequently it is necessary to lightly abrade a surface by fine sandpaper in the direction of the grain, dust off and apply varnish. The metal surface must be clean, dry, degreased, free of rust and dust, mechanically cleaned.

Page number: 02

Remove all poorly adhering old coats to the solid surface when renovate (in a case of a total removal of the old paint apply new paint system progressively, including wood impregnation). It is recommended to follow the procedure system according to the technical data sheet.

Application conditions

Minimum air and substrate temperature must be 10 °C, maximum 40 °C during application and the entire drying time. The optimal application temperature is 18 to 23 °C and the relative humidity is 40 to 70 %. Lower temperature and higher relative humidity during the application and drying and excessive thickness of the applied film significantly decelerate the drying and hardening process of the coat film. Do not apply the paint on a hot summer day. The high temperature in the atmosphere causes rapid drying of the surface layer film and the subsequent possible wrinkling of the film. It also reflected problems in connecting the individual strokes of paint coating. Type, surface and previous paint wood affects the final shade of coat. Natural wood changes colour when exposed to light independently at the paint. This product is not suitable for floor coatings and timber surface in permanently humid environments (e.g. sauna), timber surfaces treated with oils or waxes, respectively products containing waxes. Stackability must be tested for specific conditions (climatic conditions, thickness, number of coats, the shape of the substrate, substrate type, etc.).

Workflow

Properly mix before use. Especially in matt variant it is necessary to thoroughly mix matting agent homogeneously in the whole volume. Apply on the prepared surface. It shouldn't be thinned, it is ready to use.

Metal coating

2 or 3 coats of LAZUROL UNIVERSAL VARNISH S 1002 in intervals of 24 hours.

Wood coating

1. 1 coat of LAZUROL CLASSIC S 1023 (penetration) or LAZUROL FUNGICIDAL IMPREGNATION S 1033;
2. 1 or 2 coats of LAZUROL UNIVERSAL VARNISH S 1002. Recoating is possible after 24 hours. Optimum thickness of one layer of coat is 25-30 µm.

Application

Brush, roller, spraying, dipping

Handling

Read the instructions in the Safety Data Sheet before use and follow all safety instructions and regulations. The product contains organic solvents. Follow basic hygiene rules. Do not eat, drink or smoke while using this product. Avoid contact with eyes, skin or clothing. Wear protective gloves, eye protection, protective clothing. Ensure effective ventilation of the workplace. People and animals should not remain in the treated area until the paint dries.

If on skin: take off contaminated clothing and wash skin with plenty of soap and water. If inhaled: remove person to fresh air. If in eyes: rinse thoroughly for 10-15 minutes with clean water. Remove immediately contact lenses if present. If swallowed: rinse your mouth with water. If you feel unwell or in case of health problems or if in doubt, and accidental ingestion and contact with eyes, always consult a doctor immediately.

Packing

0,75 l; 4 l

Storability

The product keeps the product qualities 5 years from production date in original closed container. To store in dry storage at the temperature 5 to 25 °C. Flammable liquid II. hazard class.

Disposal of packing and waste

Hand over the used, properly empty packing at the collection point of the packing waste. Dispose the packing with the product rest at the place determined by the town for disposal of hazardous waste or hand over to the person authorized for hazardous waste disposal. Further see MSDS.

Page number: 03

These data are only for information and their accuracy is influenced by the properties of individual materials and unpredictable factors during application. The user is responsible for correct use of the product according to the direction for use and for correct application of painting system, i.e. he must always evaluate all conditions of application, which could influence final quality of the top treatment. Therefore we always recommend to the user to carry out the test for actual working conditions and type of surface applied. Above mentioned data are data, which influence individual working conditions and therefore they do not establish a legal claim. It is necessary to consult information outside the terms of this catalogue sheet with the producer.

The producer stipulates the right for the change in the catalogue sheets without previous notification.