



## LAZUROL® THIXOTROPIC VARNISH S1091

Transparent varnish

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**Composition** Solution of special alkyd resins in organic solvents with admixture of additives and drying agents.

**Characteristics and use** Solvent-based varnish is designed for transparent gloss/matt coating of especially vertical wood and metal surfaces, for example: wooden wall panelling and ceiling in interior and exterior. The varnish creates almost solid gel. It becomes thinner by mixing and application by brush is simple. Then it changes into gel again. It doesn't flow down both the vertical surface and the brush. 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.

- ◆ stays on vertical surfaces
- ◆ easy application
- ◆ enhances natural beauty of wood

**Application area** Substrate: wood, metal  
Environment: interior, exterior  
Examples: wooden panelling, ceiling, doors, furniture etc.

**Shades** 0000 – colourless glossy; 0001 – colourless matt

<b>Physical properties</b>	Flow time	thixotropic
	Weight solids	> 57 %
	Volume solids	49 %
	Flash point	> 36 °C
	Density	900 - 920 kg/m <sup>3</sup>

<b>Emission limits</b>	VOC: 0.38 – 0.43 kg/kg	TOC: 0.34 – 0.38 kg/kg
	Product subcategory: A/e	Threshold value (2010): 400 g/l
	Max. VOC content in ready to use state: 399 g/l	

<b>Properties of dried coat</b>	Gloss / 0000 glossy	degree 1 - 2
	Gloss / 0001 matt	degree 4 - 5
	Pendulum hardness / Persoz	up 6 % in 24 hours

<b>Drying time</b>	Surface temperature	23 °C
	Dust free	< 5 hours
	Dry through	< 24 hours
	Dry film thickness DFT	25 – 30 µm

<b>Spreading capacity</b>	Wet film thickness WFT	80 - 100 µm
	Dry film thickness DFT	40 - 50 µm
	Theoretical spreading capacity	8 - 12 m <sup>2</sup> /l

**Thinning** BALTECH S6006 (for cleaning tools)

**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 BALTECH C6000 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.

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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.

### Wood coating

1. 1x impregnation with LAZUROL CLASSIC S1023 (interior) or LAZUROL FUNGICIDAL IMPREGNATION S1033 (exterior). Sanding and recoating is possible after 24 hours.
2. 1x LAZUROL THIXOTROPIC VARNISH S1091. Re grind with a sandpaper No. 220 after 24 hours. The second and next coat can be applied after 24 hours. Optimal thickness of one coat is 35 - 40 µm
3. 1x LAZUROL THIXOTROPIC VARNISH S1091. Optimal thickness of one coat is 35 - 40 µm.

## Application

Brush

## 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

## 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.

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.