

# LAZUROL<sup>®</sup> FLOOR VARNISH S1020

Transparent varnish

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**Composition** Solution of modified alkyd-urethane resin in aromatic free organic solvents with an addition of matting agents, waxes, driers and additives.

**Characteristics and use** The product is intended to semi-matt transparent coats of timber surfaces in both interior and exterior. It creates a permanent, semi-matt, protective film resistant to abrasion, also protects the wood against weathering and UV radiation. The film has a good sandability and water resistance. It meets the slip resistance requirements.

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
- ◆ water and UV resistant
- ◆ meets the slip requirements (dry surface)

**Application area** Substrate: wood, chipboard, cork  
 Environment: interior, exterior  
 Examples: parquets, wooden floors, wooden wall panelling, wooden stairways, doors and banisters

**Shades** 0000 – colourless semi-matt

<b>Physical properties</b>	Flow time	50 - 90 s (cup Ford Ø 4 mm)
	Weight solids	> 47 %
	Volume solids	39 %
	Flash point	> 36 °C
	Density	940 kg/m <sup>3</sup>

<b>Emission limits</b>	VOC: 0.53 kg/kg	TOC: 0.45 kg/kg
	Product subcategory: A/i	Threshold value (2010): 500 g/l
	Max. VOC content in ready to use state: 499 g/l	

<b>Properties of dried coat</b>	Gloss	degree 4
	Pendulum hardness / Persoz	up 25 % in 5 days

<b>Drying time</b>	Surface temperature	23 °C
	Dust free	3 hours
	Dry through	24 hours
	Dry film thickness DFT	25 – 30 µm

<b>Spreading capacity</b>	Wet film thickness WFT	90 - 100 µm
	Dry film thickness DFT	35 - 40 µm
	Theoretical spreading capacity	10 - 12 m <sup>2</sup> /l per single layer according to a timber absorbency

**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.

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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. 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. If this product is used for the treatment of wood containing tannic acid (acacia, oak, larch), you must first perform a test application. Due to the high tannin content can lead to slow drying, subsequent leaching tannins and affecting the overall appearance of the film. 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.

## Workflow

Properly mix before use. Apply on the prepared surface. It shouldn't be thinned, it is ready to use. Apply 1 coat of impregnating transparent wood stain LAZUROL CLASSIC S1023 (for interior) or 1 coat of fungicidal penetration LAZUROL FUNGICIDAL IMPREGNATION S1033 (for exterior use). Wipe the surface after 10-15 minutes with dry brush or cloth. Lightly abrade a dried surface by fine sandpaper in the direction of the grain, dust off and only then apply 2 or 3 coats of the varnish. Optimal thickness of one coat is 25 – 30 µm. Interval between every coat is about 16 – 24 h. It is recommended to apply at least 3 coats for new floors. Increased thickness of the final coat improves overall quality and durability of the coating. The first 14 days is necessary to protect the paint before rough handling and intensive washing surface with water.

## Application

Brush, roller, spraying

## 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; 2,5 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 the product safety data sheet.

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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.