

LAZUROL® OKNOBAL EMAIL U 2015

Synthetic urethanized enamel

Page number: 01

Composition Dispersion of inorganic and organic pigments in the solution of urethanized alkyd resin in organic solvents with addition of additives and UV stabilizers.

Characteristics and use The product is determined for the top glossy coats of wood, especially wooden windows, doors, soffits etc., both in interior and exterior. The enamel is characteristic by excellent mechanical properties, high hiding power and UV resistance, outstanding plasticity, very fast drying and a silk gloss. The enamel is well spread, is not creating any hangings within the application and has an excellent pourability. White shade is characteristic by a high whiteness.
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.

- ◆ long-term weather resistance
- ◆ excellent hiding power
- ◆ high flexibility

Application area Substrate: wood, chipboard, fibreboards
Environments: interior, exterior
Examples: wooden windows and doorframes, doors, window shutters, wooden furniture, chipboard panelling, fences

Shades 1000 white, 2800 palisandr, 6003 ivory

Physical properties	Flow time	130 – 180 s (cup Ford Ø 4 mm)
	Weight solids	> 66 %
	Volume solids	52 %
	Flash point	> 36 °C
	Density	1180 kg/m ³

Emission limits	VOC: 0.24 kg/kg	TOC: 0.20 kg/kg
	Product subcategory: A/d	Threshold value (2010): 300 g/l
	Max. VOC content in ready to use state: 299 g/l	

Properties of dried coat	Gloss	degree 1 - 2
	Pendulum hardness / Persoz	up 5 % in 5 days
	Hiding power	degree 1

Drying time	Surface temperature	23 °C
	Dust free	up to 4 hours
	Dry through	up to 36 hours
	Dry film thickness DFT	30 - 35 µm

Spreading capacity	Wet film thickness WFT	60 - 70 µm
	Dry film thickness DFT	30 - 35 µm
	Theoretical spreading capacity	15 - 17 m ² /l per one layer

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

LAZUROL® OKNOBAL EMAIL U 2015

Synthetic urethanized enamel

Page number: 02

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 primer.

Formerly coated surfaces must be cleaned, degreased and without old non-adhesive paints. It is recommended for providing compatibility of a new paint with the old one to perform a reference coating (painting) of surface - ca 1 m².

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. Imperfectly dried surface can cause problems with adhesion of paint to surface or with adhesion between individual coats. In addition it can negatively affect overall appearance of the paint film.

During rain, fog, creation of condensation water, effect of aggressive gases and during wind with strong content of dust the coating work must be suspended and can be restart after absolute drying of surface-treated material.

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. For larger compact areas always use the material from the same batch. Using the same batch can guarantee the same shade of the colour.

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, thin, if it is necessary.

1. 1 or 2 coats of LAZUROL FUNGICIDAL IMPREGNATION S1033 or colourless woodstain LAZUROL CLASSIC S 1023. The surface wipes off by cloth after 10 – 15 minutes. Sand after drying 24 hours.
2. 1 or 2 coats of synthetic primer PRAGOPRIMER PLUS S 2070 or LAZUROL OKNOBAL ZÁKLAD S 2060, optimal thickness of one layer is 25 - 30 µm, 5 hours drying.
3. 1 or 2 coats of LAZUROL OKNOBAL EMAIL U 2015. To create a long-lasting paint effectivity, it is suitable to apply the enamel in two thinner layers. The paint in a thickness of 30-35 µm may be recoated within next 4 hours using "wet to wet" system or in 10 hours after making first layer at the temperature of +20 to +25 °C. If the layer thickness is higher, it is necessary to increase a period between the separated paints.

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

0.6 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.

Page number: 03

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.