

TECHNICAL SHEET 20.04.01 - Eng

DECORATIVE PROTECTION OF WOOD

JUBIN LASUR

Transparent wood stain

1. Description, Application

JUBIN LASUR is transparent wood stain **for exterior and interior use**. It is based on water dispersion of acrylic binders. **It is intended for decorative protection of wooden roof constructions, sidings of eaves and other sidings, wooden fences, wooden building furniture, garden furniture** and similar. The table below states details concerning such protection for individual specific cases:

Description		Primer	Decorative coating
- First painting or - Paint renovation (old coatings are cracked and do not adhere to the surface – remove them thoroughly before painting)	Wooden constructions and other wooden elements on the outside	1 x JUBIN LASUR PRIMER PLUS or 1 x JUBIN IMPREGNACIA	2 x JUBIN LASUR
	Wooden constructions and other wooden elements on the inside of construction buildings	Not necessary! or 1 x JUBIN LASUR (diluted with water up to 10 %)	2 x JUBIN LASUR
- Paint renovation (old coatings are cracked and do not adhere to the surface – remove them partially before painting)	Wooden constructions and other wooden elements on the outside	Not necessary!	2 x JUBIN LASUR
	Wooden constructions and other wooden elements on the inside of construction buildings	Not necessary!	1 x or 2 x JUBIN LASUR

JUBIN LASUR **emphasizes wood texture, dries quickly** and is **available in a wide range of colour shades**. Jubin Lasur can also be used to coat children's toys and playground equipment, which is proven by a certificate provided by the Institute of Public Health (or compliance with the EN 71-3 and EN71-9 standards).

2. Packaging and Colour Shades

Plastic pots holding 0.65 and 2.25 l

- Transparent (1), ochre (shade 100), white (shade 1001), pine (shade 2), teak (shade 3), nut (shade 4), ebony (shade 5), mahogany (shade 7), rosewood (shade 9), oak (shade 93)
- 45 shades from the JUBIN LASUR colour chart (on JUMIX tinting stations at points of sale!)

Coats of different shades can be mixed in optional ratios!

3. Technical Data

Density (kg/dm ³)	~1.05
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Content of vaporous organic substances (VOS) (g/l)		<22 The EU VOS requirement – category A/e (as of 1 January 2010): <130
Drying time T = +20 °C, relative air humidity = 65 % (hours)	Touch dry	~2
	Suitable for further treatment	4 - 6

Main ingredients: acrylate binder, associative thickening agent, translucent pigments, water. The coating reaches its final physical and chemical characteristics after a month.

4. Surface Preparation

Surface should be solid, dry and clean, without any badly-adhered particles, dust, fat linings or other filth. Wood humidity should not exceed 12 % (deciduous trees) or 15 % (coniferous trees). Clean resinous surfaces of wood with nitro diluter and let them dry well. Repair any defects (cracks, dents, hollows and similar) with AKRILIN wood paste (apply the paste in the shade closest to the colour of wood).

Thus, cover elements exposed to precipitation and other weather conditions with JUBIN LASUR PRIMER PLUS or JUBIN IMPREGNACIA, which inhibits or prevents the development of mould and wood parasites, before the first coating, in the case of paint renovation and after you have partially or thoroughly removed old translucent coats from them. If old coats are not damaged, no primer is necessary in the case of paint renovation. Use quite diluted JUBIN LASUR as a primer in the case of elements situated on the inside of construction buildings. However, there is usually no need to apply a primer in such cases.

5. Coat Preparation

Prior to application, only stir JUBIN LASUR well and dilute it with water up to 5% if necessary. If the primer is applied by spraying (in conditions of accelerated drying and also in other cases), dilute it even more, but not more than 10%. ATTENTION! Coat transparency increases rapidly with diluting!

Equalise coats of different production batches or different manufacturing dates, which are needed to cover the finishing surface, in a large container. In the case of large surfaces, where, in such a manner, it is impossible to technically ensure sufficient quantity of coat even for a one-coat application, mix coats from at least three pots in an equalisation container first. When a third of the so prepared coat is used, pour new coat into the equalisation container and stir well together with the rest of the coat already in the container, etc. Equalisation of coats in industrially produced shades 1, 2, 3, 4, 5, 7, 9, 93, 100 and 1001, which belong to the same production batch or to the same production date and which have not been diluted, is not necessary.

6. Coat Application

Apply JUBIN LASUR in two coats onto a dry and clean surface with a brush or a suitable painting roller or spray it. Due to quick drying, application in stripes without interruptions is recommended. Smear any drops immediately so that they do not dry. If necessary, sand the painted surface gently before the second application with fine sand paper to remove raised wood fibres.

Any "repairs" of the coat during painting (addition of tinting agents, diluting and similar) are not allowed. Quantities of the coat necessary to paint individual surfaces are calculated or estimated on the basis of the area of these surfaces and data on consumption rate, and, in specific cases, consumption is determined by making measurements on a test surface that is large enough.

Painting is possible only in suitable weather or microclimate conditions: the temperature of the air and the surface should not be lower than +5°C and not higher than +30°C (the optimum working temperature is +10 °C to +25 °C), and the relative air humidity should be below 80 %. In case of outdoor work, protect surfaces during application and hardening of the coat against strong sun and winds. However, do not conduct any work in rain, fog or strong wind (≥ 30 km/h) despite such protection!



The colour of the coated surface depends on the type and absorption of wood, quality of wood surface treatment and the number of applications. In general, more absorptive wood is darker than the less absorptive one. Similarly, roughly treated wood (e.g. cut) is darker than the finely treated (e.g. chipped) one.

Approximate or average consumption for a one-coat application:	
JUBIN LASUR	60 - 80 ml/m ² , depending on absorption and roughness of the surface

7. Tool Cleaning, Waste Management

Thoroughly clean the tools with water or an aqueous solution of standard household detergents immediately after use. Using a spatula, empty the cylinder, and wash the tool immediately and thoroughly. Keep unused and undiluted paint in a well-sealed package for potential repairs or later use.

Do not empty waste remains into drains, watercourses or environment and do not dispose them together with domestic wastes. In accordance with the waste management regulations, they are classified among waste with classification number 08 01 12 or 20 01 28 and they can be handed in to registered transferees in closed packaging, at assembly centres or via organized removal of dangerous waste by municipal companies. Cleaned waste packaging (15 01 02) is collected separately and handed in for recycling to registered transferee or at an assembly centre for waste of this kind.

8. Safety at Work and First Aid Measures

Respiratory protection with a protective mask and eye protection with protective glasses or a face shield is necessary only when the paint is applied by spraying. In addition to general instructions and regulations on safety at works including construction and painting, as well as instructions from the safety sheet, follow also the following warnings:

R52/53 - Harmful to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

S 2 - Keep out of reach of children.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin, wash immediately with plenty of water.

S 29 Do not empty into drains.

S 46 If swallowed, seek medical advice immediately and show this container or label.

S 61 Avoid release to the environment. Refer to special instructions – safety data sheet.

FIRST AID:

Contact with eyes: immediately widen the eyelids, rinse thoroughly with clean water (10 to 15 minutes), seek medical advice if necessary. Contact with skin: remove clothing, which has been wetted, and rinse the skin with water and soap; at recurrent contact with the skin, preventive protection of hands with a protective cream is recommended. Ingestion: rinse your mouth with water immediately, do not enforce vomiting, seek medical attention immediately.

9. Maintenance and Restoration of Painted Surfaces

The durability of the translucent protection depends on the type of wood, the number of applications, the location and height of the building. Decaying is more intensive on very sunny surfaces therefore restore the coating more frequently there.

Painted surfaces do not require any special maintenance. Loose dust and other loose filth can be swept or hoovered, while adhered dust and other filth can be removed with a soft cloth or sponge soaked in a solution of conventional universal household preparations.

However, where filth and stains cannot be removed, perform paint renovation. It should include a new two-layer coat application as described in the chapter entitled "Paint application". At renovation painting, application of a primer is usually not necessary.

10. Storage, Transport Conditions and Durability

Storage and transport at temperature +5 °C to +25 °C, keep out of direct sunlight, out of reach of children, IT MUST NOT FREEZE!



Shelf life when stored in an originally sealed and undamaged packaging: at least 24 months.

11. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovene, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in our own laboratories, occasionally at the ZAG Construction Institute in Ljubljana and other independent expert institutions in Slovenia and abroad. The medical integrity control of the product in the state of the dried application has been carried out by the Institute of Environmental Protection at the Maribor Institute of Public Health – it has assessed the product as adequate and harmless to health and suitable also for decorative protection of children's toys and playground equipment. During the manufacturing process, JUB strictly complies with the Slovene and European standards for the protection of the environment and for ensuring security and health at work, which has been confirmed by the ISO 14001 and OHSAS 18001 certificates.

12. Other Information

Technical instructions contained in this brochure are provided on the basis of JUB's experience and are given as a guideline to achieve the optimum results. JUB cannot accept any responsibility for damage caused by incorrect selection of a product, incorrect use or unprofessional work.

The colour shade may differ from the print in the colour chart since it depends on the type and absorption of wood, roughness of the surface and the number of applications. In order to check the colour shade, a dry application of the coating on a standard test cardboard is compared to a standard of the concerned shade, which is stored in the TRC JUB d.o.o. A difference in the colour shade, which is the result of unsuitable working conditions, of coat preparation technique, which differs from the one in this technical sheet, of the application of the product onto an unsuitably prepared surface and on a wet or not dried enough surface, cannot be subject of complaint.

This technical sheet supplements and replaces all preceding editions. JUB reserves the right to change and supplement data in the future.

Designation and date of issue: **TRC-033/13-pek**, 6 March 2013



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The product is made by the holder of ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certificates.