

TECHNICAL SHEET 14.04.02-EN



JUBIN Decor universal gloss

Gloss enamel for wood and metal gloss

1. Description, Application

JUBIN Decor universal gloss is an enamel paint for wood and metal based on water dispersion of acrylic binders. It is intended for decorative protection of non-demanding and simple objects made of wood, steel, iron, copper, zinc and aluminium, e.g. wooden roof constructions, eaves and other sidings, fences, building and garden furniture, radiators and radiator pipes (temperatures of up to 60° C), machine housings, projecting roof constructions, etc. On wooden surfaces, the product is suitable for both interior and exterior. Steel, iron, copper, zinc and aluminium can only be painted inside construction facilities. Prior to painting these surfaces, anti-corrosive primer JUBIN Metal primer (WB) must be used. On wooden surfaces, JUBIN Decor primer should be used as a primer. JUBIN Decor universal gloss doesn't become yellow, it dries quickly and it doesn't have an unpleasant smell. The tools are simply washed with water after use. Details for individual specific cases are stated in the table below.

JUBIN Decor universal gloss received the Declaration of conformity which states that in terms of transfer of the substance into food, the product is compliant with the following standards or other normative documents:

- Art. 3 of Regulation No. 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directive 80/590/EEC and 89/109/EEC;
- Art. 10, 11 (1), 12 of Commission Regulation (EU) No 10/2011 of 14 January 2011 (amended with: 321/2011, 1282/2011, 1183/2012, 202/2014, 174/2015), on plastic materials and articles intended to come into contact with food.
- JUBIN Decor universal gloss is available in a wide range of colour shades. JUBIN Decor universal gloss can also be used for painting children's toys and playground equipment, which is attested with the certificate by the Institute of Public Health (or compliance with the standards EN 71-3 and EN 71-9).

Systems for the protection of wood outside or inside construction facilities		
Description	Primer	Decorative coat

First painting or Paint renovation (old coatings are cracked and do not adhere to the surface – remove them entirely before painting)	Wooden constructions and other wooden elements outside of buildings	1 x JUBIN Wood impregnation UV 1-2 x JUBIN Decor primer	2 x JUBIN Decor universal gloss
	Wooden constructions and other wooden elements inside of buildings	1-2 x JUBIN Decor primer	2x JUBIN Decor universal gloss
Paint renovation (old coatings are cracked and do not adhere to the surface – remove them partially before painting)	Wooden constructions and other wooden elements outside of buildings	1-2 x JUBIN Decor primer	2 x JUBIN Decor universal gloss
	Wooden constructions and other wooden elements inside of buildings	1-2 x JUBIN Decor primer	2 x JUBIN Decor universal gloss
Systems for the protection of metal inside construction facilities			
First painting or Paint renovation (old coatings are cracked and do not adhere to the surface – prior to painting, remove them partially or completely)	Element made of steel, iron, copper, zinc or aluminium inside construction facilities	2 x JUBIN Metal primer (WB)	2 x JUBIN Decor universal gloss

2. Colour Shades

- white (colour shade 1001)
- colour shades from the following colour charts: Favourite feelings, Paints and renders and RAL (at JUMIX tinting stations at points of sale!)
- yellow (colour shade 2), ochre (colour shade 3), red (colour shade 4), blue (colour shade 5), green (colour shade 6), grey (colour shade 7), dark brown (colour shade 8) and black (colour shade 9) according to the colour chart JUBIN Decor universal gloss

Paints of different colour shades can be mixed in optional ratios!

3. Technical data

Packaging		0.65 l, 2.25 l
Density		~1.223 kg/dm ³
Content of vaporous substance (VOC)		32 g/l
The EU VOC requirement - category		A/d<130
Water dilution mass		~5 %
Water dilution for spraying		~10 %
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	~2 h
	Suitable for further treatment	~4-6 h
Consumption		~70 - 90 ml/m ² (for a one-coat application)
Recommended number of layers		2
Characteristics of a dry paint film	Gloss (reflection 60°) EN 927-1	semi gloss

4. Installation Conditions

The air temperature should not be lower than +5°C and not higher than +25°C, (optimum working temperature is +10 °C to +25 °C) and the relative air humidity should not exceed 80 %. In case of outdoor work, protect surfaces

during painting and hardening of paint film against strong sun and winds. However, do not conduct any work in rain, fog or strong wind (≥ 30 km/h) despite such protection!

5. Surface Preparation

Surfaces made of wood:

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 JUBIN Akrilin wood paste.

Before the first painting and during restoration painting (if old coats have been partially or completely removed), apply JUBIN Decor primer onto the surface first. Coat elements made of hard wood and very knotty wood twice, and protect elements exposed to precipitation and other weather conditions first with impregnation agent JUBIN Wood impregnation UV, which inhibits or prevents the development of mould and blue-stain fungus.

Sand the painted surfaces after the first application gently using fine sand paper to remove lifted wood flax. If only one coat of JUBIN Decor primer is applied, skip the described polishing. In this case, sand the first application of JUBIN Decor universal gloss if necessary.

Surfaces made of steel, iron, copper, aluminium or galvanized metal:

Prior to application of JUBIN Decor universal gloss, they must be protected with anti-corrosive primer JUBIN Metal primer (WB) (the preparation of surfaces in that case is described in the technical sheet JUBIN Metal primer (WB)).

6. Preparation of coating

Prior to application, only stir the paint well and dilute it with water up to 5 % if necessary. If the paint is applied by spraying (in conditions of quick drying, but also in other cases), it can be diluted even more, but not more than 10 %. ATTENTION! Paint coverage decreases with diluting!

7. Application of coating

Surfaces made of wood:

Paint is applied in two coats, onto a dry and clean surface, by using a brush, adequate painting roller or by spraying. Due to quick drying, we recommend the application in stripes without interruptions; potential drops should be spread, so that they do not dry.

Surfaces made of steel, iron, copper, aluminium or galvanized metal (only inside the facilities):

Paint is applied in two coats, onto a dry and clean surface, by using a brush or by spraying. In case of spraying, at least 80 – 100 microns of wet film must be applied in one coat. During application, check the thickness several times with a comb for measuring the thickness of wet film. Due to quick drying, we recommend the application in stripes without interruptions; potential drops should be spread, so that they do not dry.

Any "correction" of the color during the painting process (adding tinting agents, thinning, etc.) is not allowed. We calculate or estimate the amount of paint needed to paint individual surfaces based on the surface area of these surfaces and data on average consumption. In specific cases, we determine the consumption by measuring on a sufficiently large test surface.

Thoroughly clean the tools with water immediately after use. Empty the roller by using a trowel for rubbing off the paint. Then thoroughly clean the tools with water immediately.

8. Maintenance and Restoration of Painted Surfaces

Painted surfaces do not require any special maintenance. Dust and other non-adhering filth can be simply swept or vacuumed. Remove adhered dust and stains by light rubbing using a wet cloth or a sponge soaked into a solution of traditional universal household preparations.

However, where filth and stains cannot be removed applying the methods described above, renovation painting is

conducted which comprises a two-coat application of paint, as described in the chapter "7. Application of coating". At restoration painting, application of a primer is usually not necessary.

9. Storage, Transportation Conditions and Durability

Storage and transportation at temperature +5°C to +25°C, protected from the direct sunlight, out of reach of children, **MUST NOT FREEZE!**

Durability when stored in originally sealed and undamaged packaging: at least 36 months.

10. Other Information

Technical instructions are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.

Safety measures: Follow the instructions on the safety data sheet of the product.

Colour shades may differ from the print in the colour chart since they depend on the type and absorption of wood, coarseness of the surface and number of applications. The total colour difference ΔE_{2000} , which is determined in accordance with the ISO 772471-3 and with the mathematical model CIE DE2000, should not exceed 1.5 for colour shades from JUB's colour charts FF and JUBIN Decor universal gloss, or 2.5 for colour shades from the colour charts NCS and RAL. For control purposes, the following is relevant: correctly dried application of paint onto a standard test cardboard is compared to a standard of the concerned colour shade, which is stored in the TRC JUB d.o.o. Paint manufactured by other colour charts is the best possible approximation for the JUB's primers and tinting agents. Therefore, in such cases the total colour difference from the desired shade may be even higher than the value guaranteed above. The difference in the colour shade which is a result of inadequate working conditions, of paint preparation which does not follow the instructions from this technical sheet, of application onto inadequately prepared surface and onto a wet or not dry enough surface, cannot be subject of complaint.

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

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