

SUSTAINABILITY DATA SHEET 20.01.02-EN



JUBIN Decor universal gloss

Gloss enamel for wood and metal gloss

1. Description

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.

2. Emission data relevant for building certification in accordance with DGNB

2.1. Comparison with limit values for AgBB/ABG:

Parameters	Test after 3 days		Test after 28 days		Compliance
	Concentration mg/m ³	Limit Value mg/m ³	Concentration mg/m ³	Limit Value mg/m ³	
TVOC	2,1	≤10	<0,005	≤1	PASS / QS4
TSVOC	<0,005	-	<0,005	≤0,1	PASS / QS4
R-value (dimensionless)	5,2	-	0	≤1	PASS / QS4
Sum of VOC without NIK/LCI	<0,005	-	<0,005	≤0,1	PASS / QS4
Formaldehyde	-	-	<0,003	≤0,1	PASS / QS4
Any individual carcinogens	<0,001	≤0,01	<0,001	≤0,001	PASS / QS4

Based on emissions testing (in accordance with ISO 16000 series and AgBB criteria), and the absence of substances classified as CMR (Cat. 1A/1B), SVHCs under REACH, heavy metals, and other hazardous ingredients as listed in the DGNB criteria ENV 1.2, this product qualifies for the highest quality level Q4 under the DGNB certification system. It supports optimal indoor air quality and human health protection in accordance with sustainable building standards.

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3. Emission data relevant for building certification in accordance with LEED

3.1. Comparison with limit values for LEED v4.1 BETA

Parameters	Test after 28 days		
	Concentration $\mu\text{g}/\text{m}^3$	Limit Value $\mu\text{g}/\text{m}^3$	Compliance
TVOC	<5	≤ 1000	PASS
Sum of VOC without NIK/LCI	<5	≤ 100	PASS
Formaldehyde	<3	≤ 10	PASS
R-Value (dimensionless)	0	≤ 1	PASS

Based emissions test results in accordance with ISO 16000 series, this product meets the requirements for low-emitting materials under LEED v4.1 (EQ Credit: Low-Emitting Materials).

4. Emission data relevant for building certification in accordance to BREAM

4.1. Comparison with limit values for BREAM International

Parameters	Concentration mg/m^3	Basic Level mg/m^3	Exemplary Level mg/m^3	Compliance
Formaldehyde 28 days	<0,003	$\leq 0,06$	$\leq 0,01$	PASS / Exemplary Level
TVOC (EN16516) 28 days	<0,005	≤ 1	$\leq 0,3$	PASS / Exemplary Level
TSVOC 28 days	<0,005	-	$\leq 0,1$	PASS / Exemplary Level
Total carcinogens 28 days	<0,001	$\leq 0,001$	$\leq 0,001$	PASS / Exemplary Level

This product meets the stringent requirements for low-emitting materials under BREEAM International New Construction (Hea 02 and Hea 09), based on emissions testing and compliance with the applicable European standards (e.g., AgBB, EN 16516). Due to the verified performance the product qualifies for the Exemplary Level criteria, contributing additional credits within the BREEAM International assessment.

5. VOC content in accordance with EN ISO 11890-2:2014

VOC (Volatile Organic Compounds: EU limit value for this product category A/d - Interior/exterior trim and cladding paints for wood and metal: 130 g/L. This product contains max. 32 g/L

6. Additional performances:

EN 71-3:2019+A1:2021 – Safety of Toys Part 3: Migration of Certain Elements Category III – Materials intended to be placed in the mouth.

Compliance to Food Contact Safety: Intended use: for repeated short-term contact with neutral foods at temperatures up to 40 °C.

7. Material Ingredients Disclosure Statement

7.1. Ingredient Inventory

This product contains the following primary ingredients, disclosed to a threshold of 0.1% (1,000 ppm):

- Water
- Propylene glycol (<2%)
- Buthyl diglycol (<2%)
- Talc (<5%)
- Titanium dioxide (15-25%)
- Acrylic binder (20-30%)
- Synthetic associative rheology modifier (2-5%)
- Additives (defoamers, preservatives, fumed silica, dispersing agent) <2%

7.2. Hazard Assessment (per GHS / REACH)

This product does not contain any substances that are:

A: REACH Regulation – Substances of Very High Concern (SVHC)

- This product does not contain any substances currently listed on the REACH Candidate List of Substances of Very High Concern (SVHC) (as published by ECHA), in concentrations greater than 0.1% (w/w).

B: CMR Substances (Carcinogenic, Mutagenic, Reprotoxic)

- Formaldehyde: The product does not contain formaldehyde classified as Carcinogenic, Mutagenic, or Reprotoxic (CMR) Category 1A or 1B under the EU CLP Regulation (EC No 1272/2008).
- Other CMR Substances: The product does not contain any other substances classified as Carcinogenic, Mutagenic, or Reprotoxic (CMR) Category 1A or 1B under the EU CLP Regulation (EC No 1272/2008).

C: Heavy Metals

- This product is free from intentionally added heavy metals, including but not limited to lead (Pb), cadmium (Cd), mercury (Hg), arsenic (As), antimony (Sb), selenium (Se), and hexavalent chromium (Cr⁶⁺).
- These metals are regulated under REACH Annex XVII, the RoHS Directive (2011/65/EU), and identified as priority hazardous substances under various environmental frameworks.

D: Volatile Organic Compounds (VOC)

- The product complies with low-emitting material requirements under LEED v4.1, BREEAM Hea 02/Hea 09, and DGNB Criteria ENV 1.2, based on:
 - VOC content testing (ISO 11890-2),
 - VOC emissions testing (ISO 16000 series),
 - Compliance with AgBB / EU LCI reference values.
- Formaldehyde emissions are below 10 µg/m³ (28-day), in line with the most restrictive thresholds.

E: Living Building Challenge (LBC) “Red List” Compliance

- This product does not contain any substances listed on the Living Building Challenge (LBC) “Red List”, which includes:
 - PVC and related vinyl polymers,
 - Halogenated propellants and halogenated flame retardants (e.g., PBDEs, TBBPA, HBCDD),
 - Per- and polyfluoroalkyl substances (PFAS),

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- Bisphenol A (BPA) and related analogues,
 - Phthalates,
 - Heavy metals as noted above.
- The Red List encompasses substances of concern for their carcinogenicity, endocrine disruption, bio-accumulation, and persistence in the environment.

F: Endocrine Disrupting Chemicals (EDCs)

- The product is free from intentionally added known or suspected endocrine-disrupting chemicals, including nonylphenol ethoxylates, BPA, and certain phthalates, in line with precautionary principles promoted by DGNB and LBC.

8. Documentation available for this product:

- MSDS JUBIN Décor universal gloss
- TDS JUBIN Décor universal gloss
- Declaration of performance JUBIN Décor universal gloss
- EUROFINS Report 392-2021-00599905_A
- VOC Report JUBIN Décor universal gloss

9. Management systems

- Quality Management: ISO9001:2015
- Environment Management: ISO14001:2015
- Occupational Health and Safety Management: ISO45001:2018
- Energy Management: ISO50001:2018
- Responsible Care: CEFIC

The information provided is based on the best available data from raw material suppliers and product formulation records.

To the manufacturer's knowledge, this product does not pose significant health risks under normal conditions of use in indoor environments.

The manufacturer is committed to transparency and sustainable product development.

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