

TECHNICAL SHEET 03.11-eng

INTERIOR WALL PAINTS

JUPOL LATEX POLMAT

Washable interior wall paint

1. Description, Application

JUPOL LATEX SEMI-MATT is an environmentally friendly and washable interior wall paint made on the basis of water dispersion of modern polymeric binders. **It is intended for decorative protection of walls and other surfaces of residential and business buildings, schools, nursery schools, hospitals, hotels, residences for the elderly, and other buildings, where hygiene is maintained by frequent cleaning with standard household preparations and also aggressive disinfectants.** Suitable surfaces are surfaces levelled with levelling compounds, paper and fleece relief wallpapers, relief wallpaper made of glass fibres, as well as gypsum-cardboard and fiber-cement boards, particle boards, unplastered concrete, fine renders of all types, and similar. It is also possible to apply the paint to old, well adhered dispersion coats resistant to wet scrubbing.

The paint is characterised by **extremely low content of vaporous organic substances. It doesn't contain softening agents nor heavy metals** and in this regard it complies with the requirements of the »Commission Decision 2002/739 EC, establishing revised ecological criteria for the award of the Community eco-label to indoor paints and varnishes and amending Decision 1999/10/EC« as well as the »Basic Criteria for Award of the Environmental Label, Low-Emission Wall Paints RAL UZ 102, Sept. 2003«. **The production of the paint is under continuous supervision of TÜV SÜD Industrie Service GmbH, München and it meets the requirements for the labels "POLLUTANT TESTED" and "PRODUCTION MONITORED" (TÜV SÜD Test Standard TM 07 Dispersion Paints "Issue 09/04").**

It is easy to apply and available in a wide range of colours. Paint film **has a silky shine** and is **washable or well resistant to wet scrubbing** so that filth, which does not adhere to painted surfaces well, can be wiped with a cloth soaked in a solution of traditional household preparations or medical disinfectants (HEXAQUART S, SURFANIOS CITRON, INCIDUR, KOHRSOLIN FF). It is also distinguished by **good resistance to wear and tear.**

We can add 5 to 7.5 % (50 to 75 ml/l) of JUBOCID to the paint for decorative protection of wall and ceiling surfaces in areas, where due to high relative air humidity there exists a high probability of formation of condensation and as a consequence in corners, behind the wardrobes and in other spots there is a high probability for intensive development of different kinds of wall moulds (kitchens, bathrooms and other sanitary areas, washing rooms, storage places, etc.)

2. Packaging and Colour Shades

Plastic containers holding 2.5 and 15 liters:

- White (shade 1001), base 1000, and base 2000;
- On JUMIX tinting stations at points of sale:
 - the JUB colour chart;
 - the RAL Classic colour chart;
 - the NCS colour chart;
- It is possible to tint it to pastel shades with DIPI KONCENTRAT (up to 100 ml per 5 liters of paint).
- Delivery of paints designed at a special request of the customer is possible under certain conditions.

Paints of various shades can be mixed in optional ratios!

3. Technical Data

Density (kg/dm ³)	~1.42
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Content of vaporous organic substances (VOC) (g/l)		<0,1 The EU VOC requirement – category A/a (as of 1 January 2010): <30	
Drying time T = +20 °C, relative air humidity = 65 % (hours)		Touch dry	~3
		Suitable for further treatment	4 - 6
Characteristics of a dry paint film	Classification according to EN13300	Resistance to wet scrubbing	Resistant, class 1
		Coverage	Class 1 with efficacy of 7.0 m ² /l
		Appearance	Semi-matt
	Vapour permeability EN ISO 7783-2	coefficient μ (-)	<3000
		Sd value (d = 100 μ m) (m)	<0.30 Class II (medium water vapour permeability)
	Adhesion to standard lime-cement render EN ISO 4624 (MPa)		>0.5

Main constituents: ethylene and vinyl acetate binder, fine calcite and alumo silicate fillers, titanium dioxide, cellulose thickeners, water

4. Surface Preparation

Surface should be solid, dry, and clean, with no badly adhered particles, dust, oil stains, or other filth.

Drying time of new renders and levelling compounds in normal conditions (T = +20 °C, relative air humidity = 65 %) is at least 1 day for each mm of thickness, while for concrete surfaces the drying time is at least one month. From already painted surfaces, remove all paint coats, paints and precoat with oil paints, lacquers and enamels which get easily and quickly soaked in water. Surfaces infected with wall mould, must be disinfected prior to painting.

Application of a primer is obligatory before the first painting. We recommend AKRIL EMULSION diluted with water (AKRIL EMULSION: water = 1 : 1) or simply the paint diluted with water (JUPOL LATEX POLMAT: water = 1 : 1). For more demanding and lower quality surfaces (lower quality gypsum-cardboard boards, gypsum renders, fibre-cement boards, particle boards and unplastered concrete boards), we recommend JUKOLPRIMER diluted with water (JUKOLPRIMER : water = 1 : 1). A primer is applied by a painting or masonry brush or a long-bristle fur or textile paint roller or it can be sprayed. In normal conditions (T = +20 °C, relative air humidity = 65 %), painting may begin 6 (AKRIL EMULSION or JUPOL LATEX POLMAT) or 12 (JUKOLPRIMER) hours after the application of a primer.

A primer is usually not necessary for restoration painting and prior to application of paint to surfaces smoothed with dispersion levelling compounds.

Indicative or average consumption (depending on absorption and roughness of the surface):	
AKRIL EMULSION	90 – 100 g/m ²
or	
JUPOL LATEX POLMAT	90 – 100 ml/m ²
or	
JUKOLPRIMER	90 – 100 ml/m ²

5. Preparation of Paint

Only stir the paint well before use and, if necessary, thin it with water (maximum 5 %) in accordance with consistency corresponding to application technique and conditions.



Equalize paint needed to coat the finishing surface (or, even better: all surfaces, which are painted in the same colour shade) in a container of appropriate size. In case of large surfaces, where, in such a manner, it is impossible to technically ensure sufficient quantity of paint even for a one-coat application, mix paint from at least three containers in an equalisation container first. When a third of the so prepared paint is used, pour new paint into the container and stir it well together with the rest of the paint already in the container, etc. Equalisation of white paint of the same production batch, which has not been diluted, is not necessary.

Any “repairs” of the paint during application (addition of tinting agents, diluting, and similar) are not allowed. The quantity of paint required for painting individual surfaces can be calculated or estimated based on the size of the surfaces or based on the data on average consumption. In special cases, the consumption is determined by measuring on the test surface of appropriate size.

6. Paint Application

Paint is applied in two coats, 4 to 6 hours apart ($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %), by using a long-bristle fur or textile paint roller (length of hairs or threads is 18 to 20 mm; the following can be used: natural and artificial fur or textile linings made of different synthetic threads – polyamid, dralon, vestan, nylon, perlon, or polyester), or a painting brush suitable for application of dispersion wall paints or by spraying. Use a bucket grid when applying the paint with a roller;

An individual wall surface is painted without interruptions from one end to the other. Always treat first the surfaces inaccessible to a standard long-bristle paint roller or to spraying gun (corners, gutters, narrow reveal surfaces, and similar) first using suitable brushes or smaller paint rollers adjusted to existing conditions.

Painting is possible only in suitable weather or microclimate conditions: temperature of the air and the wall surface should not be lower than $+5\text{ }^{\circ}\text{C}$ and not higher than $+35\text{ }^{\circ}\text{C}$ and relative air humidity should not be higher than 80 %.

Approximate or average consumption for a 2-coat application: 150 – 190 ml/m ² , depending on the surface absorption and coarseness
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7. Tool Cleaning, Waste Management

Thoroughly clean the tools with water immediately after use.

Keep unused paint (only the undiluted part!) in a well sealed packaging for potential repairs and later usage. Waste liquid remains must not be emptied into drains, watercourses or environment and they must not be disposed together with domestic wastes. Mix them with cement (hardened mortar remains and wastes, sand or sawdust may be added to them) and when they harden, deposit them onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).

Cleaned packaging can be recycled.

8. Safety at Work

Respiratory protection with a protective mask and eye protection with protective glasses or a face shield is necessary only when paint is applied by spraying. Otherwise, follow general instructions and regulations on safety of construction work or works including paintwork. The use of special personal protection means and the application of special measures for safe work at paint application with a paint roller or a brush is not necessary.

In case of contact with eyes, rinse with water immediately.

9. Maintenance and Restoration of Painted Surfaces

Painted surfaces do not require any special maintenance. The non-adhering dust and other non-adhering filth can be swept or vacuumed. Adhering dust and stains are removed by light rubbing using a wet cloth or a sponge soaked into a solution of traditional universal household preparations and washed away by clean water. Aqueous solution of standard medical disinfectants e.g. HEXAQUART S, SURFANIOS CITRON, INCIDUR and KOHRSOLIN FF can also be used to clean and disinfect the painted surfaces.

Restore paint on surfaces, which cannot be cleaned of filth and stains in the above described manner. Restoration painting should include a new two-layer paint application as described in the chapter entitled “Paint application”. At restoration painting, application of a primer is usually not necessary.



10. 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 18 months.

11. Quality Control

The product's quality characteristics are determined with the internal manufacturing specifications as well as with the Slovenian, European and other standards. We constantly monitor the declared or set quality level according to TÜV SÜD Industrie Service GmbH, München as well in our own labs, at the Construction Institute in Ljubljana, at Forschungsinstitut für Pigmente und Lacke in Stuttgart and occasionally also at other independent institutions at home and abroad. The quality level is also ensured by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years. During the manufacturing process, we strictly comply with the Slovenian and European standards for protection of the environment and for ensuring security and health at work, which is confirmed by the ISO 14001 and OHSAS 18001 certificates.

12. Other Information

Technical instructions in this brochure 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.

The colour of a render may differ from the print in the colour chart, from the sample or from approved sample. However, the total colour difference (ΔE) – it is determined in accordance with the ISO 7724/1-3 and by the mathematical model CIE DE2000 - doesn't exceed 1.5, for shades from the JUB's PAINTS AND RENDERS colour chart or 2.5 for shades from the NCS and RAL colour charts. To check the stated differences, observe a dried coat of paint applied to a standard test cardboard and standard of subject paint kept at TRC JUB d.o.o.. Differences of colour shades resulting from unsuitable working conditions, the application technique and paint preparation process different from the instructions, failure to follow the equalisation rules or application to unsuitably prepared, overly or nor sufficiently coarse, to humid or nor dry enough surface, cannot be subject of a complaint.

The paint made according to other colour charts is the best possible approximation for the available JUB's bases and tinting pastes. Therefore, the total colour difference from the desired shade may be even higher than the value guaranteed above.

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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