JUB Since 1875

JUB d.o.o.
Dol pri Ljubljani 28, SI-1262 Dol pri Ljubljani
T: 080 15 56, 01 588 4280, E: info@jub.eu
jub.eu

TECHNICAL SHEET 03.03.09-EN

JUPOL Thermo

Thermal insulating interior wall paint

1. Description, Application

JUPOL Thermo is an environmentally-friendly interior paint based on water dispersion of polymeric binders. It contains small hollow beads which create a thermal barrier across the entire thickness of a dried paint film and surface which feels warmer and more comfortable than in case of traditional wall paints. In combination with the interior thermal insulating levelling compound JUBOLIN THERMO, the thermal insulation effect is even improved. This effect reduces the condensation probability of water vapour on the coating. If the condensation occurs anyway, the water on the surface dries faster than in case of traditional wall paints. This decreases the possibility of appearance of wall mould. It is intended for decorative protection of walls and ceilings in residential and business buildings and other premises. Suitable surfaces include fine render finishes of all types, surfaces levelled with levelling compounds. We particularly recommend the use of JUBOLIN THERMO levelling compound which additionally improves the thermal insulation, feeling of warmth and savings of thermal energy. Application to well-adhered old dispersion coats is also possible. Paint film is highly water vapour permeable and resistant to dry scrubbing, sot that not overly well adhered filth can be wiped off from painted surfaces with a wet cloth. It does not contain heavy metals and has a low content of volatile organic compounds.

2. Colour Shades

- white (shade 1001)
- shades under the colour chart JUB Favourite Feelings E-G *
- tinting to pastel shades is possible with DIPI Koncentrat (up to of white paint)
- delivery in shades 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

Packaging	5l
Density	~0.72 kg/dm³
Content of vaporous substance (VOC)	18 g/l

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The EU VOC requirement - category			A/a<30
Water dilution mass Water dilution volume			0% 0%
Drying time T = +20 °C, relative air humidity = 65 %		Touch dry	3h
		Suitable for further treatment	4-6h
Consumption			350-450 ml/m²
Recommended number of layers			2-3
Characteristics of a dry paint film	Classification according to EN13300	Resistance to wet scrubbing	resistant, class 3
		Coverage with efficacy of	class 4 6.7m²/l
		Appearance	dead matt
	Vapor permeability EN ISO 7783-2	μ, coefficient	<2243
		value Sd (d = 100 um)	<0.224m class 2 (medium water vapour permeability)
	Thermal conductivity		0,15 W/mK

4. Installation Conditions

The temperature of the air and the wall base should be from +5 °C to +35 °C, and the relative air humidity should not be higher than 80%.

5. 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 precoats 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 with ACRYL Emulsion, in case of use on more demanding and more absorbent surfaces, a deep base coat is used JUKOL Primer.

For restorative paints and before applying the paint to substrates smoothed with dispersion leveling compounds, a primer is usually not required.

For technical information on these primers, please read the technical data sheet.

6. Preparation of Paint

Only stir the paint well before use.

In areas where due to high relative humidity there is a high probability of the development of wall mold and algae, the prepared paint can be added 5 - 7,5 % (50 - 75 ml/l) product JUBOCIDE Plus. Note that by adding a product JUBOCIDE Plus, coverage decreases.

7. Paint Application

In order to achieve better thermal insulation effect, apply the paint in three coats at intervals of 4 – 6 hours (T = +20 °C, rel. air humidity = 65 %) using a long-bristle fur or textile paint roller (length of hairs or threads is 18 - 20 mm; the following can be used: natural and artificial fur or textile linings made of different synthetic threads – polyamide, dralon, vestan, nylon, perlon or polyester), a paint brush suitable for the application of dispersion wall paints, or by spraying. When applying the paint with a roller, use a suitable bucket grid.

In case of application onto the JUBOLIN THERMO levelling compound, only two coats suffice. Paint an individual wall surface without interruptions from one corner of the wall to the other. Always process surfaces inaccessible to a standard long-fibre paint roller or a spray gun (corners, gutters, narrow reveal surfaces, and similar) first using suitable brushes or smaller paint rollers adjusted to existing conditions. It is recommended to remove the painting tape used as a surface protection 24 hours after the application of the last coat of paint.

Thoroughly clean the tools with water immediately after use.

8. Maintenance and Restoration of Painted Surfaces

Painted surfaces do not require any special maintenance. Sweep or hoover non-adhered dust and other non-adhered filth. Remove adhered dust and stains are removed by gentle rubbing with a wet cloth.

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 18 months.

10. 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.
Safety measures: Follow the instructions on the safety data sheet of the product.

The colour shade may differ from the print in the colour chart, from the sample or from approved sample. However, the total colour difference ΔE2000 – it is determined in accordance with the ISO 7724/1-3 and by the mathematical model CIE DE2000 - doesn't xceed 1.5, for colour shades from the JUB's PAINTS AND RENDERS colour chart or 2.5 for colour 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.. 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. 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 norsufficiently coarse, to humid or nor dry enough surface, cannot be subject of a 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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