

TECHNICAL SHEET 03.02.05-EN



JUPOL Strong protect

Superior washable paint for heavily exposed surfaces

1. Description, Application

JUPOL Strong protect is an interior wall paint based on water dispersion of special polymeric binders. The paint is intended for decorative protection of walls and ceilings providing them with a lower sensitivity of the coating film to stains, and also provides good wear resistance (SIST EN 13300), which means that stains from the surfaces can be cleaned with solutions of common household cleaners. Suitable substrates include finely levelled substrates, paper and fleece relief wallpapers, relief wallpapers made of glass fibres as well as gypsum-cardboards and fibre-cement boards, chipboards, unplastered concrete, fine render finishes of all types and similar. Application to well adhered old dispersion coats is also possible, even those with washability class I. The paint has a coating film protection against mould in accordance with SIST EN15457, and it is also suitable for use in a specific HYDROSOL Decor system.

2. Colour Shades

- white (shade 1001)
- Colour shades according to the JUB Home of Colours color chart E-G, N, W
- Colour shades according to the JUB Favourite Feelings color chart E-G
- delivery in shades designed at a special request of the customer is possible under certain conditions
- tinting to pastel colour shades is possible with DIPI Super color (up to 750 ml/15L of white paint) or to more intensive colour shades with DIPI Concentrate (up to 100 ml/15L of white paint)

Paints of various shades can be mixed in optional ratios!

3. Technical data

Packaging	2 l, 5 l, 15 l
Density	~1.364 kg/dm ³
Content of vaporous substance (VOC)	1 g/l
The EU VOC requirement - category	A/a<30

Water dilution mass		0%	
Water dilution volume		0%	
Drying time	Touch dry	2h	
T = +20 °C, relative air humidity = 65 %	Suitable for further treatment	4-6h	
Consumption		80-130 ml/m² (for a two-coat application)	
Recommended number of layers		2	
Characteristics of a dry paint film	Classification according to EN13300	Resistance to wet scrubbing	resistant, class 1
		Coverage	class 3
		with efficacy of	8.5m²/l
	Appearance	matt	
	Vapor permeability EN ISO 7783-2	μ, coefficient	<1393
value Sd (d = 100 μm)		<0.139m class 1 (high water vapour permeability)	

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 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 ACRYL Emulsion diluted with water (in ratio 1:1), in case of use on more demanding and more absorbent surfaces, is used water-diluted deep base coat JUKOL Primer (in ratio 1:1). We can start painting 6 hours (ACRYL Emulsion) or 12 hours (JUKOL Primer) after applying the primer in normal conditions (T = 20 °C, relative air humidity = 65%).

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 and do not dilute it.

ATTENTION! In the case of dilution with water, wear resistance and coverage are reduced!

The color of the same shade, which is used to paint larger areas in a large enough container, is equalized from at least three buckets, when one third of the equalized color is used, a new color is added to the container and it is equalized with the rest of the color from before. White tinting is not required.

Any "repairs" of the paint during application (addition of tinting agents, diluting, and similar) are not allowed.

Even painted surfaces often damped with the condensation are for a relatively long period of time resistant to infection with most widespread types of wall mould. However, we can even increase their resistance if we add 5,0

% (50 ml/l) of JUBOCIDE Plus to the paint.

7. Paint Application

We apply the color in two layers with a 4-6 hour interval ($T = 20\text{ }^{\circ}\text{C}$, relative air humidity = 65%). For applying paint, we recommend short-haired textile paint roller or textile paint roller (length of hairs or threads is 9 - 12 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) or a painting brush suitable for application of dispersion wall paints.

An individual wall surface is painted without interruptions from one end to the other. In case of above standard heights, we paint simultaneously on several floors, with horizontal contacts "wet to wet". Always treat surfaces inaccessible to a standard paint roller or spraying gun (corners, gutters, narrow reveal surfaces, and similar) first using suitable brushes or smaller paint rollers adjusted to existing conditions.

Empty a roller by using a trowel for rubbing paint, and then clean the tools thoroughly with water. Due to high mechanical resistance of paint film, cautiousness is required regarding protection of the environment, as it is hard to remove unwanted dried stains.

Store unused paint in a well-sealed container for possible repair or later use.

8. Maintenance and Restoration of Painted Surfaces

Painted substrates do not require any special maintenance. Non-adhering dust and other filth can be swept or hoovered. Fresh stains (coffee, wine, tea, juice, mustard, ketchup, traces of shoes and make-up) are removed with a wet cloth or sponge soaked in a solution of common universal household cleaners, then the surface is washed with clean water. It is not allowed to remove stains with a brush, the rough side of a cleaning sponge (cloth) or other mechanical or chemical agents that cause damage to the coating film. Do not leave the application of cleaners on the surface of the coating for a long time.

On substrates where filth and stains cannot be removed in a described manner, renovation painting is conducted consisting of a new 2-coat application of paint, as described in the chapter "Paint application". At restoration painting, application of a primer is usually not necessary.

9. Storage, Transportation Conditions and Durability

Storage and transportation at temperature $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$, protected from the direct sunlight, out of reach of children, **MUST NOT FREEZE!!**

Durability when stored in originally sealed and undamaged packaging: at least 12 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.

The colour shade may differ from the print in the colour chart, from the sample or from approved sample. However, the total colour difference ΔE_{2000} – it is determined in accordance with the ISO 7724/1-3 and by the mathematical model CIE DE2000 - doesn't exceed 1.5, for colour shades from the JUB's colour charts 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 nonsufficiently 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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