

TECHNICAL SHEET 03.01.60-ENG
INTERIOR WALL PAINTS

JUPOL Strong protect

Washable interior wall paint

1. Description, Application

JUPOL Strong protect is an environmentally friendly 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. Packaging and Colour Shades

Plastic containers holding 2 and 5 l:

- White (colour shade 1001)
- Colour shades E and G according to the JUB FF colour charts - (on JUMIX tinting stations at points of sale)

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

ATTENTION: The stronger the colour shade, the lower the wear resistance.

3. Technical Data

Density (kg/dm ³)		~1.35	
Content of vaporous organic substances (VOC) (g/l)		<1 The EU VOS requirement as of 1 January 2010 – category A/a: <30	
Drying time T = +20 °C, rel. air humidity = 65 % (hours)	Touch dry		2
	Suitable for further treatment		4 - 6
Characteristics of film	Classification by EN 13300	Resistance to wet scrubbing	Resistant, class 1
		Coverage	class 2 with efficacy of 8.0 m ² /l
		Gloss	mat
	Water-vapour permeability EN ISO 7783-2	coefficient μ (-)	<19000
		Sd value (d = 100 μ m) (m)	<0.80 class II (medium water-vapour permeability)

Main ingredients: special polymeric binder, silicate fillers, cellulose and polyurethane thickening agents, water.

The dry paint film reaches its final chemical-physical properties after a month.

4. Substrate Preparation

Substrate should be solid, dry, and clean – without any badly-adhered particles, dust, remains of panelling oils, fat, or other dirt.

In normal conditions ($T = +20\text{ °C}$, relative air humidity = 65 %), let the newly applied renders and levelling compounds dry or mature for at least 1 day for each mm of their thickness. Concrete surfaces should dry for at least a month. Remove all paints, precoats, and other decorative coats, which get easily soaked in water, from already painted surfaces. Surfaces infected with wall mould must be disinfected prior to painting.

Always apply a primer prior to the first painting. We recommend water-diluted AKRIL Emulsion, while in the case of more demanding and lower quality substrates (lower quality coatings made of gypsum-cardboards, gypsum render finishes, lime-based levelling and smoothing compounds, fibre-cement boards, chipboards and unplastered concrete surfaces) apply water-diluted JUKOL Primer. Apply the primer with paint or masonry brush or a long-fibre fur or textile paint roller or spray it. In normal conditions ($T = +20\text{ °C}$, relative air humidity = 65 %), painting may begin 6 (AKRIL Emulsion) or 12 (JUKOL Primer) hours after the application of the primer.

A primer is usually not necessary for restoration painting with the same product.

5. Paint Preparation

Only stir the paint well before use and do not dilute it.

ATTENTION! In the case of dilution with water, the resistance to wear is reduced!!

Equalise the paint needed to coat larger surfaces, which are painted in the same colour shade in a container of appropriate size. 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, which belongs to the same production batch or manufacturing date and which has not been diluted, is not necessary.

Any “repairs” of the paint during application (adding tinting agents, diluting, and similar) are not allowed. The quantity of paint required to paint specific surface can be calculated or estimated from the surface and data on average consumption. In specific cases, the consumption can be determined by measuring at large enough test surface.

We can add 5 % (50 ml/l) of biocide substance JUBOCID Plus to the paint for decorative protection of walls and ceilings in areas where due to high relative air humidity there exists a high probability of formation of condensation and as a consequence 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.)

6. Paint Application

Paint is applied in two coats, 4 to 6 hours apart ($T = +20\text{ °C}$, relative air humidity = 65 %), by using a textile or fur paint roller (optimum length of hairs or threads is 9 to 12 mm; the following can be used: artificial or natural 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 or by spraying.

An individual wall surface is painted without interruptions from one end to the other. Always treat surfaces inaccessible to a standard paint roller (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: the temperature of the air and the wall surface should be between $+5\text{ °C}$ and $+30\text{ °C}$ and the relative air humidity should be below 80 %.

Approximate or average consumption for a two-coat application:

JUPOL Strong protect	80 – 130 ml/m ² , depending on absorption and roughness of the substrate
----------------------	---

Empty the roller with a paint scraper, then immediately wash the tools thoroughly with water. Due to the high mechanical resistance of the coating film, care is required in the necessary environmental protection, as unwanted dried paint stains are difficult to clean.

Keep unused paint in a well-sealed packaging for possible repairs or later use.

7. Safety and Health at Work

Further instructions regarding handling the product, use of personal protection equipment, waste management, tool cleaning, first aid measures, warning signs, signal words, components determining hazard, hazard statements and safety statements are listed in the product's safety sheet which you can find on Jub's web page or you can require it from the manufacturer or seller. When applying the product, the instructions and regulations regarding safety for construction, façade and painting works should also be observed

8. Maintenance and Restoration of Painted Substrates

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 °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. Quality Control

The product's quality characteristics are determined with the internal manufacturing specifications as well as with the Slovenian, European and other standards. The achievement of declared or set quality level is ensured by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years. It comprises daily quality checks in our own labs and at other independent institutions at home and abroad. 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, ISO 50001, and ISO 45001 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 shade may differ from the print in the colour chart. 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 JUB colour chart. A correctly dried application of paint to the test surface and a standard of the concerned colour, which is stored at TRC JUB d.o.o., shall be decisive for control purposes. Difference in colour shade, which is a result of unsuitable working conditions, of a colour preparation technique, which differs from the one in this technical sheet, failure to follow the equalization rules, application onto an unsuitably prepared, overly or not enough absorbing surface, more or less coarse surface, on wet or not dried 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.

Denomination and date of publishing: TRC-073/21-čad, 9 December 2021

JUB d.o.o.

Dol pri Ljubljani 28, 1262 Dol pri Ljubljani, Slovenija

T: (01) 588 41 00 h.c.

(01) 588 42 80 ali 080 15 56 svetovanje

E: info@jub.si

www.jub.eu



ISO 9001	Q-159
ISO 14001	E-034
ISO 50001	En-024
ISO 45001	H-022



Proizvod je izdelan v organizaciji, ki je imetnik certifikatov ISO 9001:2015,
ISO 14001:2015 ISO 50001:2018, ISO 45001:2018