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TECHNICAL SHEET 03.02.01-EN

JUPOL Amikol

Superior washable paint with effective film protection from bacterial infections

1. Description, Application

JUPOL Amikol is an interior wall paint made on the basis of water dispersion of polymer binders, suitable primarily for decorative protection of walls and ceilings in rooms with heavily loaded wall surfaces, and requires superior cleanliness and hygiene (but only those that are not constantly wet). JUPOL Amikol paint is suitable for use in the food processing industry: bakeries, slaughterhouses, dairies, bottling plants for alcoholic and non-alcoholic beverages, wine cellars, cold stores and industrial kitchens, etc. We especially recommend it in public institutions such as health facilities: waiting rooms, quarantines, hospitals and other frequent locations, and in schools, kindergartens and nursing homes. The color film is protected against the attack of microorganisms (PT7 treated product), which also include harmful molds, such as. Aspergylus flavus, which produces t.i. afla toxin and harmful bacteria such as Stphylococcus Aureus (MRSA) and Eschericia coli. The resistance of the color film to mold is determined in accordance with SIST EN 15457, and the resistance to bacteria according to ISO 22196. The color film due to the active ingredients of Zinc Pyrithione, Octilinone and Iodopropynylbutylcarbamate in contact with microorganisms prevents them from performing basic biochemical reactions. As a result, microbes in contact with JUPOL Amikol are metabolically inactive, causing them to decay over time. The color film thus remains intact, as the microbes on JUPOL Amikol cannot multiply.The paint is characterized by a low content of volatile organic compounds, does not contain plasticizers and heavy metals. It is easy to apply and available in a wide range of color shades. The colored film has a silky shine and is washable or well resistant to wet abrasion, so that not excessively tight dirt from painted surfaces can be wiped with a cloth soaked in a solution of common household cleaners or medical disinfectants based on quaternary ammonium compounds, glutaraldene. JUPOL Amikol color film is also tested for resistance to disinfectants according to ISO 2812 - 4: 2007. It is also characterized by good wear resistance.

2. Colour Shades

- white (shade 1001)
- Colour shades according to the JUB Home of Colours color chart D-G, N, W
- Colour shades according to the JUB Favourite Feelings color chart D-G
- tinting to pastel colour shades is possible with DIPI Super color (up to 750 ml/15L of white paint) or to more

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intensive colour shades with DIPI Koncentrat (up to 100 ml/15L 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			2 l, 5 l, 15 l
Density			~1.43 kg/dm³
Content of vaporous substance (VOC)			1 g/l
The EU VOC requirement - category			A/a<30
Water dilution mass Water dilution volume			5% ~7%
Drying time T = +20 °C, relative air humidity = 65 %		Touch dry	3h
		Suitable for further treatment	4-6h
Consumption			150-190 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 with efficacy of	class 1 7m²/l
		Appearance	semi matt
	Vapor permeability EN ISO 7783-2	μ, coefficient	<6848
		value Sd (d = 100 μm)	<0.685m class 2 (medium water vapour permeability)
	Adhesion to standard concrete (EN 24624)		>0.5 MPa

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. 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.

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6. Preparation of Paint

Only stir the paint well before use and, if necessary, dilute it with water in accordance with consistency corresponding to application technique and conditions ((see table above). ATTENTION! Paint coverage decreases with dilution!

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.

7. Paint Application

We apply the paint in two layers with a 4-6 hour interval (T = 20 °C, relative air humidity = 65%). For applying paint, we recommend 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) 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. 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.

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 by light rubbing using a wet cloth or a sponge soaked into a solution of traditional universal household preparations. Then wash the surface with clean water. The use of an aqueous solution of standard medical disinfectants, on which the colored film is tested according to the ISO 2812 - 4:2007 standard, is also permitted for cleaning and disinfection of painted surfaces.

However, where filth and stains cannot be removed applying the methods described above, renovation painting is conducted, as described in the chapter “Paint Application”. At renovation 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 24 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 ΔE2000 – 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 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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