

TECHNICAL SHEET 04.01.09-eng
FAÇADE PAINTS

DECOR Acrylcolor

Acrylic decorative paint

1. Description, Application

DECOR Acrylcolor is a decorative paint based on water dispersion of polymeric binders. It is suitable in particular for decorative protection of solid, smooth (smoothed) or finely or equally coarse facade surfaces without cracks, structural anomalies or any other defects, such as: already carbonatised – more than a year old – classic lime-cement fine renders or at least a month old cement or cement-reinforced diluted/thinned down fine renders, at least two months old unplastered concrete facade surfaces, fibre-cement and similar facade boards, facade bricks, etc. Application is also possible to well adhered old acrylic, silicate and silicone paint coats and decorative render finishes of all types.

2. Packaging and Colour Shades

Plastic pots holding 0.75 l:

- Silver
- Gold
- Bronze

3. Technical Data

Density (kg/dm ³)		~1.18	
Content of vaporous organic substances (VOC) (g/l)		<97g/L EU VOC requirement – category A/I (as of 11 November 2010): <200	
Drying time T = +20 °C, rel. air humidity = 65 % (hours)		Touch dry	~3
		Suitable for further treatment	~6
Characteristics of dried paint film	Water-vapour permeability EN ISO 7783-2	coefficient μ (-)	<3000
		Sd value (d = 100 μ m) (m)	<0.30 Class II medium water-vapour permeability)
	Water absorption w_{24} EN 1062-3 (kg/m ² h ^{0.5})		<0.14 Class II (medium water absorption)
	Grasp to standard lime-cement render (1 : 1 : 6) EN 24624 (MPa)		>0.6
Adhesion to concrete EN 1542 (MPa)	In dry (before ageing)		>2.0
	In dry (after ageing)		>3.0



	gloss	mat
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Main ingredients: acrylate binder, fine calcite fillers and alumo-silicate fillers, titanium dioxide, cellulose thickening agent, water

4. Surface Preparation

Surface 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 °C, relative air humidity = 65 %), dry or mature the newly applied render finishes and applications of levelling compounds for at least a day for each mm of their thickness. Dry concrete surfaces for at least a month. In case of paint renovation, thoroughly remove all old badly-adhered particles as well as paint coats, paints, precoats and other decorative coats, all of which get easily and quickly soaked in water. Washing with a jet of hot water or steam is strongly recommended mainly for very dirty surfaces, all concrete surfaces and surfaces infected with wall algae and mould. Disinfect such surfaces after washing.

In the event of potential repairs of façade surfaces that have been damaged in any way, follow only procedures, which assure, concerning roughness, as high a level of equalisation as possible to the repaired surface. By painting, it is not possible to completely eliminate differences in the texture and structure of the surface, since they may usually appear even more visible and bothering after being painted.

The application of primer is mandatory, both prior to first painting as well as prior to renovation painting. We recommend water-diluted JUKOL Primer (JUKOL Primer : water = 1 : 1), water-diluted SILICONE Primer (SILICONE Primer : water = 1 : 1), water-diluted AKRIL Emulzija (AKRIL Emulzija : water = 1 : 1) or simply water-diluted paint (DECOR Acrylcolor : water = 1 : 1), which are applied with a paint or masonry brush, a long-fibre fur or textile paint roller or sprayed.

In normal conditions (T = +20 °C, relative air humidity = 65 %) the application of final paint may begin 6 (AKRIL Emulsion, SILICONE Primer or DECOR Acrylcolor) or 12 (JUKOL Primer) hours after the application of a primer.

Indicative or average use (depending on absorption and roughness of the surface):

JUKOL Primer	90 – 100 ml/m ²
or	
SILICONE Primer	90 – 100 ml/m ²
or	
AKRIL Emulzija	90 – 100 g/m ²
or	
DECOR Acrylcolor	90 – 100 ml/m ²

Priming is mandatory for surfaces onto which DECOR Acrylcolor will be applied. Priming is performed onto a dry base coat and encompasses a one- or two-coat application of DECOR Acrylcolor:

- In the colour shade 3050, if we want to paint a surface with a paint of golden colour shade,
- In the colour shade 1494, if we want to paint a surface with a paint of silver colour shade,
- In the colour shade 2171, if we want to paint a surface with a paint of bronze colour shade

5. Paint Preparation

Only stir the paint well before use. If necessary, dilute it with water up to 5% in accordance with consistency corresponding to application technique and conditions. ATTENTION! Paint coverage decreases rapidly with diluting!

Equalise paint needed to coat the finishing wall surface (or, better still: all surfaces in a room which are painted in the same shade) in a container of appropriate size. In the 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 pots in an equalisation container first. When a third of the so prepared paint is used, pour new paint into the equalisation container and stir well together with the rest of the paint already in the container, etc.

Any “repairs” of the paint during painting (addition of tinting agents, diluting and similar) are not allowed. Quantities of paints necessary to paint individual surfaces are calculated or estimated on the basis of the surface of these surfaces



and data on consumption rate, and, in specific cases, consumption is determined by making measurements on a test surface that is large enough.

6. Paint Application

Paint is applied in two (exceptionally also in three) coats 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 – polyamide, dralon, vestan, nylon, perlon, or polyester), or a painting brush suitable for application of dispersion wall paints or by spraying.

Use a suitable bucket grid when applying the paint with a roller; the second or the third application can be applied only onto a completely dry previous coat – in normal conditions ($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %) it is usually after approximately 6 hours (in case of lower temperatures and high relative air humidity drying time can be substantially extended!).

Paint can be sprayed onto a surface using traditional high pressure and modern low pressure spray guns of different types (with “external” or “internal mixing of air”), as well as airless aggregates of a variety of manufactures. As regards to the choice of diameter of spraying nozzles and service pressure, follow producer's instructions. An individual wall surface is painted without interruptions from one end to the other. Without prejudice to the before stated, always treat surfaces inaccessible for a standard long-bristle 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.

Painting is possible only in suitable weather or microclimate conditions: the 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 %. Protect façade surfaces against the sun, wind and rainfall with curtains; however, do not conduct any work in rain, fog or strong wind ($\geq 30\text{ km/h}$) despite such protection.

In normal conditions ($T = +20\text{ }^{\circ}\text{C}$, relative air humidity = 65 %), resistance of freshly painted surfaces to damage caused by precipitation (washing away of paint) is achieved in 24 hours at the latest.

Approximate or average consumption for a two-coat application:

DECOR Acrycolor	180 - 210 ml/m ² , depending on the surface absorption and coarseness
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Thoroughly clean the tools with water immediately after use. Dried stains cannot be removed.

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 Surfaces

Painted surfaces do not require any special maintenance. The non-adhering dust and other non-adhering filth can be swept, vacuumed or washed away by a jet of water. Adhering dust and more obstinate stains can be removed by light rubbing with a wet cloth or with a sponge soaked into a solution of usual universal household preparations and washed away by clean water.

Restore paint by applying a new two-coat application of paint on surfaces, which cannot be cleaned of filth and stains as described in the chapter “Paint Application”. Always apply a primer. It is possible to apply paint directly onto a surface only in case no more than two years have elapsed since the last painting.

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 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. The 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, which encompasses daily quality checks in our own labs and occasionally also at the Construction Institute in Ljubljana, at Forschungsinstitut für Pigmente und Lacke in Stuttgart, Germany as well as 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 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 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 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.. 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 nor sufficiently coarse, to humid or nor dry enough surface, cannot be subject of a complaint.

For application to façade surfaces, in particular for final coats in ETICS, we recommend paint with brightness (Y) over 25. Darker paints and paints of intensives colour tones, which can be achieved only with organic pigments, are somewhat less resistant to washing out with precipitation and more inclined to chalking in more demanding exploitation conditions. We shall not accept complaints for changes, which might occur for this reason on façade surfaces which pale faster. Therefore, one should consult our experts for each case individually regarding conditions for application of such paints and maintenance of processed surfaces. The list of colour shades, which could be controversial in this sense, is available at stores where JUMIX tinting stations are located as well as in our sales and technical information departments.

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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The product is made by the holder of ISO 9001:2015, ISO 14001:2004 and OHSAS 18001:2015 certificates.



