

## TECHNICAL SHEET 01.03.01-EN



# ACRYL Emulsion

## Acrylic primer

### 1. Description, Application

ACRYL Emulsion is water dispersion of polymeric binders and can be used as:

a) A primer or an impregnating agent for all types of mineral surfaces before they are painted with dispersion paints, before they are covered with mastic or fine levelled with dispersion levelling compounds and mastics, before applying thin-coat lime-cement, cement and acrylic decorative renders, and before applying a vast majority of building adhesives; It equalises the surface as regards to water absorption, it binds onto the surface dust and other badly-adhered particles, which could not be removed by cleaning for whatever the reason, it slightly reinforces it, and it also serves as an adhesive bond between the surface and the coat of an adhesive, render, levelling compound or paint, which is applied later;

b) Component B in the preparation of some mineral renders and levelling compounds:  
- BAVALIT (component A - the dry part : component B - ACRYL Emulsion = 8 : 1),  
- JUBIZOL Strong fix (component A - the dry part : component B - ACRYL Emulsion = 10 : 1),  
- VALIT (component A - the dry part : component B - ACRYL Emulsion = 4:1);

c) Additive to some conventional and industrially prepared render finishes to improve their technological and strength characteristics:  
- render finish used to fix KOMBIPOR and KOMBIVOL boards (cement : sea sand : ACRYL Emulsion : water = 5 : 5 : 0.5 : 1.5),  
- render finish used to repair façade decorations (JUBOSAN R 100 : ACRYL Emulsion : water = 20 : 2 : 3.5);

d) "adhesive bond" between the old and the new concrete:  
- the first coat of the "adhesive bond" is water-diluted ACRYL Emulsion (ACRYL Emulsion : water = 1:1),  
- the second coat is a paste-like compound acquired by blending a compound of cement and sea sand or fine sand (cement : sea sand = 1 : 1 to 1 : 2) into diluted ACRYL Emulsion (ACRYL Emulsion : water = 2 : 1);  
Added quantity of cement and sea sand should still enable the application of the compound onto a joint surface with a brush;  
Apply the compound a day after the joint surface is coated with diluted ACRYL Emulsion

Note: the indicated recipes denote mass balances of the described components!

## 2. Colour Shades

- milky thin liquid

## 3. Technical data

Packaging	1 kg, 5 kg, 18 kg	
Density	1.01 kg/dm <sup>3</sup>	
Water dilution - ratio	1:1	
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	2 h
	Suitable for further treatment	4-6 h
	Resistance of the surface to being washed out by precipitation water is achieved	24 h
Content of vaporous substance (VOC)	5 g/l	
The EU VOC requirement - category	A/g <30	
Consumption	90-100 g/m <sup>2</sup>	
Recommended number of layers	1	

## 4. Installation Conditions

The temperature of the air and the wall surface should be between +5°C and +35°C and the relative air humidity should be below 80 %. Protect façade surfaces from sun, wind and rainfall using protective scaffold nettings; however, do not conduct any work in rain, fog or strong wind ( $\geq 30$  km/h) despite such protection.

## 5. Surface Preparation

The surface may include interior wall and ceiling surfaces (fine lime, lime-cement or cement renders, concrete, gypsum cardboards, fibre-cement boards, chipboards, and decorative renders of all types) or façade surfaces (fine lime, lime cement or cement renders, concrete, fibre-cement boards and decorative renders of all types). In any event, the surface should be solid, dry, and without any badly-adhered particles, dust, remains of paneling oils, fat or other filth. Washing with a high-pressure water blaster (hot water or steam) is especially recommended mainly for very dirty façade surface, all concrete surfaces and façade surfaces infected with wall algae and mould. Disinfect such surfaces after they are washed.

In normal conditions (T = +20 °C, relative air humidity = 65 %), dry or mature the newly applied renders and 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 from the surface all old badly-adhered coatings, slurries and other decorative coats, all of which get easily soaked in water.

In the event of potential mending of façade surfaces that have been damaged in any way, follow only procedures, which ensure, concerning roughness, as high a level of equalisation as possible to the mended surface.

## 6. Instruction for Use

Prior to application, only stir the product well and dilute it with water at a ratio of 1:1. Quantities necessary to coat individual surfaces are calculated or estimated on the basis of the area 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.

Apply the primer in one coat using one of the following: a paint brush suitable for the application of dispersion coats, a long-bristle fur or textile painting roller (length of hairs or threads is 18 - 20 mm 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 spray it. When applying the paint with a roller, use a suitable bucket grid.

The primer can be sprayed onto a surface with 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 the producer's instructions. Paint an individual wall surface without any interruptions from one corner of the wall to the other. Always treat surfaces inaccessible to 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.

Wash the tool thoroughly with water immediately after use, dried stains cannot be removed.

## 7. 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.

## 8. 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.

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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