

TECHNICAL SHEET 01.01.01-eng

PRIMERS

AKRIL EMULSION

Acrylic primer and plasticising compound

1. Description, Application

AKRIL 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 - AKRIL EMULSION = 8 : 1),
 - VALIT (component A - the dry part : component B - AKRIL EMULSION = 10 : 1),
 - JUBOLIN F (component A - the dry part : component B - AKRIL 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 : AKRIL EMULSION : water = 5 : 5 : 0.5 : 1.5),
 - render finish used to repair façade decorations (RENOVATION RENDER : AKRIL 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 AKRIL EMULSION (AKRIL 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 AKRIL EMULSION (AKRIL 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 AKRIL EMULSION

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

2. Packaging

Plastic containers holding 1 kilo, plastic containers holding 5 and 18 kilos:



3. Technical Data

Density (kg/dm ³)		~1.02
Drying time T = +20 °C, relative air humidity = 65 % (hours)	Touch dry	~2
	Suitable for further treatment	4 - 6
	Resistance of the surface to being washed out by drainage water is achieved	~24
Content of vaporous organic substances (VOS) (g/l)		<5 The EU VOS requirement – category A/g (from 1 January 2010): <30

Main ingredients: acrylate binder, cellulose thickening agent, water

4. Surface Preparation (if the product is used as a primer)

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.

5. Instructions for use (if the product is used as a primer)

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 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 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.

The application of the primer is possible only in suitable weather or microclimate 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 (≥30 km/h) despite such protection.



Indicative or average use (depending on absorption and roughness of the surface):	
AKRIL EMULSION	90 - 100 g/m ²

6. Tool Cleaning, Waste Management

Thoroughly clean the tools with water immediately after use. Dried stains cannot be removed.

Keep unused primer (only the one that has not been diluted!) in a well sealed packaging for potential repairs or later use. Waste liquid remains must not be emptied into drains, watercourses, or environment and they must not be disposed together with domestic wastes. Mix them with cement (hardened mortar remains and wastes, sand or sawdust may be added to them) and when they harden, deposit them onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).

Cleaned packaging can be recycled.

7. Safety at Work

Respiratory protection with a protective mask and protection of eyes with protective glasses or with a safety mask is necessary only when applying the primer by spraying. Otherwise follow general instructions and regulations on safety of construction work or works including paintwork. When the primer is applied with a paint roller or a brush, the use of special personal protection means and the application of special measures for safe use are not necessary.

In case of contact with eyes, rinse with water immediately.

8. Storage, Transportation Conditions and Durability

Storage and transportation at temperatures between +5°C and +25°C, protected from direct sunlight, out of the reach of children, IT MUST NOT FREEZE!

Shelf life when stored in an originally sealed and undamaged packaging: at least 18 months.

9. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovenian, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in its own laboratories, occasionally at the ZAG Construction Institute in Ljubljana and other independent expert institutions in Slovenia and abroad. During the manufacturing process, JUB strictly complies 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.

10. Other Information

The technical instructions in this brochure are given based on JUB's experience and are given as a guideline for achieving optimum results. JUB cannot accept any responsibility for the damage caused by incorrect selection of a product, incorrect use or unprofessional work.

This technical sheet supplements and replaces all preceding editions. JUB reserves the right to change and supplement data in the future.

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