

## TECHNICAL SHEET 08.08.08-EN



# JUBIZOL Decor volcano

## Dispersion decorative facade compound

### 1. Description, Application

JUBIZOL Decor volcano is a coarse dispersion facade mass made on polymer binders for the production of various decorative techniques on external vertical surfaces. It is suitable for the production of any decorative. By using various tools (paint spatula, trowel, sponge, brush, road broom, relief paint roller, hands, special combs or specially adapted-tailored trowels), we can perform a wide variety of relief-produced techniques. It is necessary to create as uniform an appearance as possible, which the application retains until it finally hardens due to the high thixotropy of the mortar mixture. The required base is smooth plaster with a grain size of 1.0 to 1.5 mm. Before using on real objects, the contractor should make a small sample, which is confirmed by the investor or owner of the object before installation.

In addition to high strength, the product is also distinguished by solid water repellency. Good resistance to the effects of flue gases, UV rays and other atmospheric agents ensures its durability in all climatic conditions. Treated surfaces are guaranteed to have long-term resistance to infection by wall algae and mold, so the addition of biocidal substances before installation is not necessary.

### 2. Colour Shades

- white (shade 1001)
- according to the already defined color combinations listed in the JUBIZOL Decor brochure - (tinting at JUMIX tinting stations at points of sale!)
- shades with the endings C-G \* and with a brightness (Y) above 35 from the JUB FAVOURITE FEELINGS color chart - (at JUMIX tinting stations at points of sale!)

### 3. Technical data

Packaging	25 kg
Density	~1.8 kg/dm <sup>3</sup>
Water dilution	0 %

Layer thickness		~4 mm
Drying time T = +20 °C, relative air humidity = 65 %	Touch dry	48 h
Average consumption		~6.4 kg/m <sup>2</sup>
Vapor permeability EN ISO 7783-2	coefficient $\mu$	<67
	value Sd (d = 1,0 mm)	<0.2778 m class 2
Water absorption w <sub>24</sub> (EN 1062-3)		<0.1153 kg/m <sup>2</sup> ·h <sup>0,5</sup>
Water absorption class		w <sub>2</sub>
Adhesion according to EAD 040083-00-0404, point 2.2.20.2		>0.16 MPa

#### 4. Installation Conditions

The temperature of the air and the wall surface should be between +10°C and +25°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 should be slightly rough (ideal is the roughness of a conventionally smoothed fine plaster of 1.0 mm granulation), solid (compressive strength of at least 1.5 MPa – CS II by EN 998-1), dry and clean, without weakly bound particles, dust, easy water-soluble salts, oil stains and other filth. Any smaller uneven parts – protrusions and indentations – hinder the smoothing of the applied render finish; therefore it is important to attend to the preparation of the surface.

Prior to the application of a decorative render finish, the newly applied base-coats have to dry at least 7 to 10 days for each cm of its thickness. Decorative render finishes are applied to new concrete surfaces only a month after concreting (stated drying times of the surface are valid in normal conditions: T = +20 °C, relative air humidity = 65 %). Coatings, slurries and other decorative coats have to be removed from old solid plasters/renderers. After the surface had been cleaned, it should be thoroughly dusted by washing and, if necessary, mended and levelled. Washing the surface with a high-pressure water blaster (hot water or steam) is especially recommended in the case of fibre-cement boards and all concrete surfaces since it removes panel oil from new surfaces and soot, moss, lichen, remains of old coatings and similar from old ones.

The base is coated with JUBIZOL Unigrund primer, chosen in a shade as close as possible to the color of the render.

The application of a render finish should start only when a primer is dried through. In normal conditions (T = +20 °C, relative air humidity = 65 %), at least 12 hours after application of base coat.

For technical information on these primers, please read the technical data sheet.

#### 6. Preparation of Render Finish for Application

The mortar mixture should only be thoroughly mixed with an electric mixer before use. Dilution with water is not permitted. It is mandatory to check the color shade, then level the mortar mixture to eliminate even minimal – perhaps invisible to the eye – differences between individual buckets. First, mix the contents of four buckets well in a sufficiently large container. When a quarter of the mass prepared in this way is used, pour the contents of the next bucket into the leveling container and mix it well again with the remaining mortar mixture in the container, etc. Leveling of white mortars from the same production batch that have not been diluted is not necessary.

Any "correction" of the mortar mixture during installation (adding tinting agents, dilution, etc.) is not permitted.

#### 7. Application of Render Finish

The mortar mixture is applied manually - with a stainless steel trowel in the thickness of the maximum grain diameter (~4 mm). In the case of larger thicknesses of the application, cracking of the surfaces may occur. The

choice of the application thickness, which should be as uniform as possible over the entire surface, depends on the desired decorative technique. The still fresh application can be processed classically as decorative plaster or using a special decorative technique with a paint spatula, trowel, sponge, brush, road broom, relief paint rollers, hands, etc., to obtain the most uniform appearance possible, which the application retains until it finally hardens due to the high thixotropy of the mortar mixture. More detailed instructions for implementing various decorative techniques are given in the JUBIZOL Decor brochure.

The work should be carried out as quickly as possible - without interruptions from one extreme edge of the wall to the other. On wall surfaces that extend over several floors, the mortar mixture is installed simultaneously on all floors: the application begins on the top floor, and on the lower floors we work with a "stepped offset". Larger wall surfaces are divided into smaller ones with suitably wide grooves, mortar borders and other decorations, frames, or in some other way, thus avoiding possible problems with continuous installation of the plaster, as well as an unaesthetic appearance due to a possibly insufficiently flat surface. Joining surfaces in corners and angular edges is facilitated by the implementation of finely smoothed strips a few cm wide, which also give the treated surfaces a pleasant decorative effect. Decorative smoothed strips, grooves, mortar borders, frames, etc. are usually implemented before the installation of the modeling compound. Protect them with suitable wall paints, taking care not to apply the coatings uncontrolledly over their edges onto surfaces prepared for the installation of decorative plaster.

The installation of the mortar mixture is only possible in suitable weather conditions or in suitable microclimatic conditions: the temperature of the air and wall substrate should not be lower than +10 °C and not higher than +25 °C, and the relative humidity of the air should not be higher than 80%. The facade surfaces should be protected from the sun, wind and precipitation with curtains, but despite such protection, we do not work in rain, fog or strong winds ( $\geq 30$  km/h).

The resistance of freshly treated surfaces to damage due to rainwater (washing off the coating) is achieved within 48 hours at the latest under normal conditions ( $T = +20$  °C, rel. air humidity = 65%). At low temperatures and high relative air humidity, this time can be significantly extended.

## 8. Maintenance and Restoration of Treated Surfaces

Facade surfaces treated with JUBIZOL Decor volcano do not require any special maintenance. Loose dust and other loose dirt can be brushed off, vacuumed or washed with water. Loose dust and more stubborn stains can be removed by lightly rubbing with a soft brush soaked in a solution of common universal household cleaners, then the surface is rinsed with clean water.

On surfaces from which dirt or stains cannot be removed in the described way, we perform a renovation painting, which should be the same technique used to treat the original application of fine decorative mass.

## 9. Storage, Transportation Conditions and Durability

Storage and transport at a temperature of +5 °C to +25 °C, protected from direct sunlight, out of the reach of children, DO NOT FREEZE!

Shelf life when stored in originally closed and undamaged packaging: at least 12 months.

## 10. Other Information

he technical instructions are based on our experience and with the aim of achieving optimal results when using the product. We do not assume any responsibility for damage caused by the wrong choice of product, incorrect use or poor quality work. We also do not assume responsibility if the surface for the application of our products is prepared improperly or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or to pre-prepared substrates with materials from other manufacturers, it is mandatory to create appropriate test fields or surfaces with all intended applications of JUB products before starting work, in accordance with the technical instructions.

Safety precautions: Follow the instructions on the product safety data sheet.

The colour shade may differ from the print in the colour chart or from the approved sample. However, the total colour difference  $\Delta E_{2000}$  for shades from the JUB's FAVOURITE FEELINGS colour charts – it is determined in

accordance with the ISO 7724/1-3 and with a mathematical model CIE DE2000 – does not exceed 2.5. In order to check the colour shade, a dry application of render finish on a test surface is compared to a standard of the concerned shade, which is stored in the TRC JUB d.o.o. A colour shade of a render finish made on the basis of other samplers and colour charts is the best possible approach for JUB's product bases and tinting agents. Therefore, in such cases the total colour difference from the desired shade may be even higher than the value guaranteed above. A difference in colour shade, which is the result of unsuitable working conditions, of a product preparation technique, which differs from the one in this technical sheet, of failure to follow the equalisation rules, of the application of the product onto an unsuitably prepared, overly or not enough absorbing surface, more or less coarse surface, on a wet or not dried enough surface, cannot be subject of complaint.

For painting facade surfaces, especially the final layers of facade thermal insulation systems, we recommend a paint with a lightness (Y) above 35. Darker colors and colors with intense color tones, which can only be achieved with organic pigments, are less durable in difficult operating conditions, less resistant to washing out with rainwater and more prone to chalking. We do not accept complaints about changes that may appear on exposed facade surfaces, especially in the form of faster fading. Therefore, please consult our experts for each specific case regarding the conditions of use of such colors and the maintenance of repainted surfaces. A list of controversial color shades in this regard is available in stores with JUMIX tinting stations and in our sales and technical information service.

This technical data sheet supplements and replaces all previous editions; we reserve the right to make any subsequent changes and additions.

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