

## TECHNICAL SHEET 08.08.06-EN



# JUBIZOL Decor smooth

## Dispersion fine decorative facade compound

### 1. Description, Application

JUBIZOL Decor smooth is a fine dispersion 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 techniques in thicknesses from 1 to 2 mm in one layer. Using JUBIZOL Decor smooth, we can create the appearance of a smooth facade or the appearance of smooth and rough concrete. Using various tools (paint roller, sponge, brush, decorative glove) and different color shades, we can create a variety of decorative techniques. The required base is smooth plaster with a grain size of 1.0 to 1.5 mm. Before using it on real objects, the contractor should make a small sample, which is approved by the investor or owner of the object before installation.

In addition to high strength, the product is also distinguished by good 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 2000)
- Colour shades according to the JUB Home of Colours color chart C-F, N, T with limitations
- Colour shades according to the JUB Favourite Feelings color chart C-G \*

Delivery in shades designed at a special request of the customer is possible under certain conditions

### 3. Technical data

|                 |                         |
|-----------------|-------------------------|
| Packaging       | 25 kg                   |
| Density         | ~1.7 kg/dm <sup>3</sup> |
| Water dilution  | 0 %                     |
| Layer thickness | ~1 mm                   |

|  |  |                            |
|--|--|----------------------------|
| Drying time<br>T = +20 °C, relative air humidity = 65 %  | Touch dry                                  | 24 h                       |
| Average consumption                                      |  | ~1.7 kg/m <sup>2</sup> /mm |
| Vapor permeability EN ISO 7783-2                         | coefficient $\mu$                          | <257                       |
|  | value Sd (d = 1,0 mm)                      | <0.2574 m class 2          |
| Water absorbtion w24 (EN 1062-3)                         | <0.039 kg/m <sup>2</sup> *h <sup>0,5</sup> |                            |
| Water absorbtion class                                   | W3   |                            |
| Adhesion according to EAD 040083-00-0404, point 2.2.20.2 | >0.5 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 required base is decorative plaster with a grain size of 1.0 to 1.5 mm. In the event that decorative plaster is installed on concrete surfaces, these must be properly waterproofed and aged, and for basic plasters, higher quality mortars with at least 160 grams of glass fiber reinforced reinforcing mesh must be used. Newly installed decorative plasters should be dried for at least 1 day before installing the decorative facade compound (the specified drying time applies to normal conditions: T = +20 °C, rel. air humidity = 65%).

#### 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 a thickness of 1 to 2 mm. When creating a smooth facade, the mass is usually installed in two layers, whereby the thickness of each layer should not exceed 1 to 2 mm, and the total thickness of the two-layer application is 3 mm. Before painting the mass with facade paints, the surface must be sanded properly. The first layer before applying the second, as well as the second or final layer, is sanded with fine sandpaper. Sanding can be done manually or mechanically. We recommend sandpaper No. 120 - 150. In the case of larger thicknesses of the application, cracking of the surfaces may occur. The choice of the thickness of the application, which should be as uniform as possible over the entire surface, depends on the desired decorative technique. The fresh application can be treated with a paint spatula, trowel, sponge, brush, paint rollers, hands, etc., to obtain the most even appearance possible, which the application will retain until it has completely hardened due to the high thixotropy of the mortar mixture. Detailed instructions for implementing various decorative techniques are provided 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 is started 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 installation of the modeling compound. They are protected with suitable wall paints, taking care not to apply 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 application) is achieved within 48 hours at the latest under normal conditions ( $T = +20$  °C, rel. humidity = 65%). Wash the tools thoroughly with water immediately after use; dried stains cannot be removed.

## 8. Maintenance and Restoration of Treated Surfaces

Facade surfaces treated with JUBIZOL Decor smooth 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

The 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 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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