

TECHNICAL SHEET 20.02.03-EN



HYDROSOL Decor base

Decorative watertight compound

1. Description, Application

HYDROSOL Decor base is an interior, ready-to-use elastic compound for decorative treatment of wall and ceiling substrates, which require waterproofing and protection against mechanical damage. It can be used in bathrooms, toilets, kitchens, and areas which get wet frequently or only occasionally. In addition to mechanical protection and waterproofing, HYDROSOL Decor base also offers implementation of various decorative techniques such as: Beton look, Egeo, Spatolato, Decor topping, Travertino, etc. By using smoothing treatment, we can achieve aesthetic and functional appearance of areas without joints and easy to clean. Finishing coat must be protected by a two-component polyurethane water-based coat HYDROSOL Polyurethane 2K interior. Adequate surfaces are the following: finely coarse concrete surfaces, fine cement and lime-cement renders, gypsum renders, gypsum_x0002_cardboard boards, existing stone or ceramic tile lining, high-quality mineral and dispersion levelling compounds, well-adhered old dispersion coatings, fibre-cement boards and similar. The product bridges cracks wide up to 1.5 mm and enables completely watertight and flexible connections. The product is not suitable for use on substrates: - which are constantly under water - which are damp due to soaking or capillary rising damp - which are overheating (eg. saunas)

2. Colour Shades

- White (shade 1001)
- Colour shades A to G according to colour charts JUB FF (on tinting stations at points of sale!)
- Tinting to pastel shades possible with DIPI Koncentrat (up to 100 ml per 8 kg of compound)
- Under certain conditions optional supply in shades according to specific customer wishes

3. Technical data

Packaging	8 kg
Density (ready-to-use compound) (T=20°C, RH=65%)	~1.6 kg/dm ³
Water dilution mass	~5 %
Average consumption	~1.25 kg/m ² /mm

Touch dry (T=20°C, RH=65%)	~0,5 h
Suitable for further treatment (T=20°C, RH=65%)	~1,5 h
Minimum total thickness for achieving water-tightness	~1 mm
Maximum thickness of application in one coat	~1 mm
Initial tensile adhesion strength (EN 14891)	≤1 N/mm ²
Tensile adhesion strength after water contact (EN 14891)	≤0,5 N/mm ²
Tensile adhesion strength after heat ageing (EN 14891)	≥1 N/mm ²
Tensile adhesion strength after contact with lime water (EN 14891)	≤0,5 N/mm ²
Tensile adhesion strength after contact with chlorinated water (EN 14891)	≤0,5 N/mm ²
Crack bridging ability under standard conditions (EN 14891)	≥1.5 mm

4. Installation Conditions

In normal conditions (T = +20 °C, relative air humidity = 65 %), the application of HYDROSOL Decor base watertight compound may begin 4 (AKRINOL Super grip), 6 (ACRYL Emulsion) or 12 (JUKOL Primer) hours after the application of the primer. In order to achieve maximum waterproofing, HYDROSOL Express 1K must be used after the primer (see section Application of Compound).

5. Surface Preparation

Surface should be slightly coarse, solid, dry, and clean – without badly-adhered particles, dust, remains of panelling oils, fat, or other dirt. In normal conditions (T = +20 °C, relative air humidity = 65 %), let the newly applied renders and levelling compounds dry or mature for at least 1 day for each mm of their thickness. Concrete surfaces should dry for at least a month. Remove all paints which get easily soaked in water, from already painted surfaces. Surfaces infected with wall mould must be disinfected prior to applying watertight compound. The use of watertight compound on extremely weak surfaces (weak renders and weak levelling compounds), which can be removed already by light cutting or with removal of protection strips is not allowed. In case of very absorbent surfaces (gypsum-cardboard boards, gypsum renders, fibre-cement boards, etc.), it is mandatory to use a primer. We recommend water-diluted ACRYL Emulsion or water-diluted JUKOL Primer. Apply the primer with a paint or masonry brush or a long-fibre fur or textile paint roller or spray it. . In normal conditions (T = +20 °C, relative air humidity = 65 %), the application of HYDROSOL Decor base watertight compound may begin 6 (ACRYL Emulsion) or 12 (JUKOL Primer) hours after the application of the primer. In order to achieve maximum waterproofing, HYDROSOL Express 1K must be used after the primer (see section Application of Compound).

In case of ceramic tile treatment, the ceramic tiles should be well adhered to the surface, without hollow sound, dry, and clean – without badly-adhered particles, dust, remains of different oils, fat, or other dirt. Tile joints on existing ceramic tile lining must be levelled with the ceramic tile level (they must not be sunk, as this can be reflected in the final appearance of the decorative treatment). For filling and levelling tile joints, we recommend the use of highly elastic dispersion tile joint filler AKRINOL Fugamix. If the existing tile joints are infected with mould, they should be adequately disinfected prior to levelling. Prior to applying the waterproofing compound, the existing ceramic tile lining should also be processed with AKRINOL Super grip. Very unevenly applied ceramic tile lining which deviates from the surface by more than ±0.5mm/0.1m; 1m or 2m is not suitable for treatment with the aforementioned waterproof compound.

Primer is applied by using a painting or masonry brush, with long-bristle fur or textile painting roller. In normal conditions (T = +20 °C, rel. air hum. = 65 %), the application of waterproof compound HYDROSOL Decor base can start 4 hours after applying AKRINOL Super grip. In order to achieve maximum waterproofing, HYDROSOL Express 1K must be used after the primer (see section Application of Compound).

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

6. Preparation of Compound for Application

Only stir the waterproofing compound well before use. When applying the compound with painting brush, it can be diluted by up to 5 % with water.

7. Application of Compound

HYDROSOL Decor base can be installed as soon as the HYDROSOL Express 1K compound is dry. Apply the compound with a stainless-steel trowel in two or three coats with a total thickness of at least 2 mm. The thickness of individual layers should be approx. 0,5 mm. We recommend checking the thickness during application by using a comb for measuring thickness of wet film. The compound is applied to a dry previous coat; in normal conditions (T = +20 °C, rel. air hum. = 65 %) the drying time is 1 to 2 hours. The compound is always applied "square-on" to the previous application. When implementing decorative techniques, the first layer is applied over the entire surface and once it is dry, other coats in various decorative techniques and shades can be applied. The first coat prior to the application of the second one, and same with the second and third coat, is grinded with fine sandpaper. Grinding can be performed manually or by a machine. The product can also be grinded with vibration and rotation grinders. One can choose among sandpapers P100-P150. The final dry film is treated with HYDROSOL Polyurethane 2K interior in two coats to obtain additional waterproof and surface protection and a transparent semi-matte appearance. In the case of high loads and constantly high damp, we recommend restorative painting as soon as damage is noticed on the surface of the paint coating. Both the waterproofing compound and the top coat have added biocidal protection, which provides the treated surfaces with long-term resistance to wall mould infection.

Thoroughly clean the tools with water immediately after use.

8. Storage, Transportation Conditions and Durability

Storage and transport at temperature +5 °C to +25 °C, keep out of direct sunlight, out of reach of children, IT MUST NOT FREEZE!

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

9. 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. JUB reserves the right to change and supplement data in the future.

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