

## TECHNICAL SHEET 08.02.05-GBR

### WATERPROOFING COMPOUNDS

# HYDROSOL Decor base

Decorative waterproofing 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. Adequate surfaces are the following: finely coarse concrete surfaces, fine cement and lime-cement renders, gypsum renders, gypsum-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. Packaging, Colour Shades

Plastic containers holding 8 kg

- white (shade 1001)
- shades 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

Density of the ready-to-use mortar compound (kg/dm <sup>3</sup> )	~1.5
Colour	white
Touch dry (hours) T = +20 °C, rel. air hum. = 65 %	~ 30 min
Suitable for further treatment (hours) T = +20 °C, rel. air hum. = 65 %	~1.5 (when followed by applications in decorative technique ~30 min.)
Minimum total thickness for achieving water-tightness (mm)	~1.0
Maximum thickness of application in one coat (mm)	~1.0
Initial tensile adhesion strength EN 14891:2012 (E) (MPa)	≤1.0

Tensile adhesion strength after water immersion EN 14891:2012 (E) (MPa)	≤0.5
Tensile adhesion strength after water immersion at +70 °C EN 14891:2012 (E) (MPa)	≥1.0
Tensile adhesion strength after limewater immersion EN 14891:2012 (E) (MPa)	≤0.5
Tensile adhesion strength after chlorinated water immersion EN 14891:2012 (E) (MPa)	≤0.5
Crack bridging ability under standard conditions (mm) EN 14891:2017 (A.8) T = +21 °C, rel. air hum. = 50 %	≥1.5

Main ingredients: dispersion binding agent, carbonate fillers, thickeners, additives.

#### 4. Substrate 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 AKRIL Emulsion (AKRIL Emulsion : water = 1 : 1) or water-diluted JUKOL primer (JUKOL primer : water = 1 : 1). 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 (AKRIL 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).**

Approximate or average consumption (depending on absorption and roughness of the surface):

AKRIL Emulsion	90 - 100 g/ m <sup>2</sup>
or	
JUKOL Primer	90 - 100 g/m <sup>2</sup>
or	
AKRINOL Super grip	100 - 150 g/m <sup>2</sup>

#### 5. 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.

## 6. 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 1.0 - 1.5 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 No. P100 to P150. The final dry film is treated with HYDROSOL Polyurethane 2K 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.

Approximate or average consumption (depending on absorption and roughness of the surface):

HYDROSOL Decor base	1.5 - 2 kg/m <sup>2</sup>
HYDROSOL Express 1K	1.5 - 2 kg/m <sup>2</sup>
HYDROSOL Polyurethane 2K	90 - 130 ml/m <sup>2</sup>

Thoroughly clean the tools with water immediately after use.

## 7. Safety at Work

Detailed instructions on handling the product, use of personal protective equipment, waste management, tool cleaning, first aid measures, warning labels, warning words, hazard components, hazard and safety statements can be found on the JUB website or request it from the manufacturer or seller. When installing the product, it is also necessary to follow the instructions and regulations regarding protection in construction, facade and painting works.

## 8. Maintenance of Treated Substrates

Treated substrates do not require any special maintenance.

## 9. Storage, Transport 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.

## 10. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovene, European and other standards. JUB ensures the 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 our 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 Slovene and European standards for the protection of the environment and for ensuring security and health at work, which has been confirmed by ISO 14001, ISO 50001 in ISO 45001 certificates.

## 11. Other Information

The technical instructions contained in this brochure are provided on the basis of JUB's experience and are given as a guideline to achieve optimum results. JUB cannot accept any responsibility for 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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ISO 9001 Q-159  
ISO 14001 E-034  
ISO 50001 En-024  
ISO 45001 H-022



The product is made by the holder of certificates ISO 9001:2015, ISO 14001:2015 ISO 50001:2018, ISO 45001:2018