

## TECHNICAL SHEET 20.02.04-EN



# HYDROSOL Decor floor interior

## Decorative floor-waterproofing compound

### 1. Description, Application

HYDROSOL Decor floor interior is an interior, ready-to-use elastic watertight compound for decorative treatment of wall, ceiling and floor heating equipped traffic surfaces which get wet frequently or occasionally. By using different treatment techniques and decorative tools, one can achieve numerous visual effects, such as decorative concrete, stone, etc. The watertight compound HYDROSOL Decor floor interior bridges the cracks up to 0.75 mm wide and it enables completely watertight and flexible joints. Final treatment is performed with double application of the product HYDROSOL Polyurethane 2K interior, which is used to achieve both mechanical as well as additional watertight protective layer. In addition to mechanical and watertight protection, the dry film of the systemic treatment also has a low slip potential on traffic surfaces.

On substrates burdened mechanically or with moistening, it is mandatory to previously use watertight compound HYDROSOL Express 1K to perform basic impermeable layer and additional reinforcing of corner, angle, and other flat surfaces.

**WARNING:**

The product HYDROSOL Decor floor interior is not suitable for use on substrates:

- which are constantly under water, e.g.: swimming pools, water tanks, etc.
- where there exists breaking in of humidity due to capillary effect.

### 2. Colour Shades

- Base (2000) for the white shade, tinting is required!
- Colour shades C to F according to the JUB FF colour chart (on tinting stations at points of sale!)
- It is possible to tint it to pastel shades with z DIPI Koncentrat (up to 3 % per packaging unit)
- Under certain conditions, the delivery in colour shades according to buyers' special requests is also possible

### 3. Technical data

Packaging	8 kg
Density (ready-to-use compound) (T=20°C, RH=65%)	~1.8 kg/dm <sup>3</sup>
Average consumption	~1.75 kg/m <sup>2</sup> /mm

Touch dry (T=20°C, RH=65%)	~0,75 h
Suitable for further treatment (T=20°C, RH=65%)	~2 h
Maximum thickness of application in one coat	~1.5 mm
Initial tensile adhesion strength EN 14891:2012 (A.6.2.)	≤2,5 N/mm <sup>2</sup>
Tensile adhesion strength after water contact EN 14891:2012 (A.6.3.)	≤0,5 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing EN 14891:2012 (A.6.5.)	≤4,5 N/mm <sup>2</sup>
Tensile adhesion strength after contact with lime water EN 14891:2012 (A.6.9.)	≤1 N/mm <sup>2</sup>
Tensile adhesion strength after contact with chlorinated water EN 14891:2012 (A.6.7.)	≤1 N/mm <sup>2</sup>
Crack bridging ability under standard conditions EN 14891:2012 (A.8)	≤0.75 mm
Resistance to positive water pressure EN 14891:2012 (E)	No water penetration, it absorbs ≤20
Resistance to tear and wear (in the system with the finishing coat HYDROSOL Polyurethane 2K) SIST-EN 13892 - 3 : 2004 B	≤9
Resistance against slip (in the system with the finishing coat HYDROSOL Polyurethane 2K) DIN 51130 : 2004	R 10
Resistance against slip (in the system with the finishing coat HYDROSOL Polyurethane 2K + 7 % HYDROSOL Antislip powder in the last coat) DIN 51130:2004, DIN 51097:1992	R12, A
Resistance to deformation after mechanical compressive load SIST EN 24343-1 : 2012	<0.15 mm

#### 4. Installation Conditions

The screeds must be properly dry before applying the HYDROSOL Decor system. Moisture in the screed must not exceed 3%. It is recommended to sew the existing dilatations of the screed as needed, as well as to sew any cracks in the screed due to shrinkage during drying.

In normal conditions (T = +20 °C, relative air humidity = 65 %), the application of HYDROSOL Decor floor interior watertight compound may begin 4 (AKRINOL Super grip), 6 (ACRYL Emulsion) or 12 (JUKOL Primer) hours after the application of the primer.

#### 5. Surface Preparation

Surface should be slightly coarse, solid, dry, and clean – without badly-adhered particles, dust, remains of panelling oils, fat, or other filth. Rough substrates and the ones with rough edges should be adequately polished or levelled and smoothed, while overly smooth substrates should be made adequately coarse (sanding, brushing, rough polishing). If a fine leveling of up to 3 mm thickness is required on the wall and ceiling surfaces, it is carried out in two layers with JUBIZOL Premium fix, in which a plasticized glass mesh JUBIZOL (weight of at least 160 g/m<sup>2</sup>; window 4 x 4 mm) is installed, which is drawn in the fresh first coat of mortar.

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 adequately treated with the product ALGICIDE Plus concentrate prior to applying the compound.

The use of compound on extremely weak substrates (weak render finishes and weak levelling compounds) which can be removed already with light scraping by removing protective strips, is not allowed.

In case of extremely absorbent substrates (gypsum cardboards, gypsum render finishes, fibre-cement boards,

etc.), it is mandatory to use the primer ACRYL Emulsion, while on concrete substrates (concrete boards, screeds) JUKOL Primer must be used.

When using the compound on the existing stone or ceramic linings as well as on other extremely smooth, non-absorbent substrates, it is mandatory to use the primer AKRINOL Super grip. Ceramic tiles should be well adhered to the substrate, without hollow sound, dry, and clean – without badly-adhered particles, dust, remains of different oils, fat, or other filth. Tile joints on existing ceramic tile lining must be levelled with the ceramic tile level. Also, we should check that the existing ceramic tile lining does rise from the surface for more than  $\pm 0.5$  mm/0.1 m; 1 m or 2 m, since such errors can negatively impact the final appearance of decorative treatment. For easier filling and levelling tile joints, we recommend the use of highly elastic dispersion tile joint filler AKRINOL Fugamix. If existing tile joints are infected with mould, use the product ALGICIDE Plus concentrate for their treatment. In normal conditions (T = +20 °C, rel. air humidity = 65 %), the application of the compound HYDROSOL Decor floor interior can begin 6 (ACRYL Emulsion), 4 (AKRINOL Super grip) or 12 (JUKOL Primer) hours after the application of primer.

In case of use on substrates which get wet frequently or occasionally, prior to the use of product HYDROSOL Decor floor interior it is mandatory to perform an impermeable layer with the product HYDROSOL Express 1K or two component product HYDROSOL Superflex 2K (please, carefully follow the instructions from the technical sheet of these products).

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.

## 7. Application of Compound

The compound is applied by using a decorative stainless steel smoothing trowel in two or three coats, of total thickness of up to 1.5 mm. The application is performed (by circular strokes) in all directions to obtain a shell structure. Drying time between coats should be from 45 minutes to 1.5 hours. The first coat prior to the application of second one, and same with the second and third coat, can be grinded with sandpaper P150-P200. Grinding of the last coat prior to finishing treatment is not recommended, as during it fillers can get damaged which can lead to inadequate final appearance. Final dry film should be treated with HYDROSOL Superflex 2K in two coats, to obtain additional watertight and mechanical protection (please, carefully follow the instructions from the technical sheet of the product HYDROSOL Superflex 2K).

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, protected from 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 contained in this brochure are provided based on JUB's experience and are given as a guideline to achieve the optimum results. JUB cannot accept any responsibility for damage caused by incorrect selection of a product, incorrect use or unprofessional work.

The colour shade may differ from the print in the colour chart or approved sample. However, the total colour difference  $\Delta E_{2000}$  – it is determined in accordance with the ISO 7724/1-3 and by the mathematical model CIE DE2000 – doesn't exceed 1.5 for colour shades from the JUB's colour chart FF. A correctly dried application of paint to the test surface and a standard of the concerned colour, which is stored at TRC JUB d.o.o., shall be decisive for control purposes. Paint manufactured by other colour charts is the best possible approximation for the JUB's primers and tinting agents. Therefore, in such cases the total colour difference from the desired shade may be even higher than the value guaranteed above. Difference in colour shade, which is a result of unsuitable working conditions, of a colour preparation technique, which differs from the one in this technical sheet, failure to follow the equalization rules,

application onto an unsuitably prepared, overly or not enough absorbing surface, more or less coarse surface, on wet or not dried enough surface, cannot be subject of complaint.

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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