

## **DECOR PU VARNISH** **POLURETHANE VARNISH** **2-component**



### DESCRIPTION

Transparent, gloss or matt, 2-component polyurethane varnish. It offers excellent waterproofing, high mechanical strength, resistance to chemical agents, protection against yellowing and UV radiation.

Its special composition contains UV filters against ultraviolet radiation, providing protection of shades and styles because it doesn't yellowing or discolour with time.

### APPLICATION FIELDS

Suitable for sealing and protection of any kind of structural element. Recommended for microcement systems, cementitious substrates, wood, metal, natural

stone, for surfaces with standing water, showers, swimming pools, etc. It is highly recommended to protect **DECOR** microcement and highlight its shades.

### ADVANTAGES – CHARACTERISTICS

- Suitable for walls and floors.
- Suitable for indoor and outdoor applications.
- Resistance to water and neutral cleaners.
- Resistance to UV radiation.
- Polishes and protects.
- Vapor permeable.
- Does not peel.
- Easy and fast application.
- High adhesion to the substrate.
- Very low consumption.
- Economic solution for perfect result.
- Allows light vehicle traffic.

### SUBSTRATE PREPARATION

The surface must necessarily be clean, dry and free of dust and mould before application. The substrate must be stable, all loose particles such as dust, oil, grease must be removed. Moreover, standing waters must be removed.

The surface should be waterproof and not subject to continuous rising damp. Also the humidity of the substrate must be less than 4% and the atmospheric humidity less than 65%.

### MIXING

Mix the hardener (component B) with all the resin (component A). For better stirring it is recommended the use of drill at low speed for 2-3 minutes. Stirring should

be done carefully from the bottom to the top and to the container walls. Before use allow the mixture to stand for a few minutes.

### APPLICATION

For best results we recommend the application of two layers of **DECOR PU VARNISH**. For the application use a roller or brush without leaving excess material. **DECOR PU VARNISH** must penetrate well the

application surface. For best protection you should apply a second layer within 24 hours, depending on the application temperature conditions. For demanding applications it is recommended to apply several layers of **DECOR PU VARNISH**.



## CONSUMPTION

80-120gr/m<sup>2</sup> depending always on the absorbency of the surface.

## PACKAGING - STORAGE

Metal twin pack (A and B component) of 1kg in 12 pieces cartons boxes with and in a pack of 4kg. Store in sealed containers in a dry environment at temperatures between +5°C and +35°C for 24 months from date of production.

## DRYING

Dries within 24 hours, so as not to stick.

## RECOATABILITY

Drying times refer to normal ambient conditions (25°C, 60% humidity). Each next layer should be applied within 24 hours from the previous one. Any differences in temperature and humidity can change the above times.

## APPLICATION TOOLS

Moher roller or sponge paint roller.

## CLEANING TOOLS

The tools are cleaned with the special solvent LS-735, while the material is still fresh.

## APPLICATION TEMPERATURE

Do not apply at temperatures below 10°C or before rain. When applying, the surface should not come into direct exposure to solar radiation. Adverse conditions during or shortly after application, may alter the final properties of the product.

## RECOMMENDATIONS

Do not apply **DECOR PU VARNISH** on old varnishes, dirty and wet surfaces. Always use clean tools, without rust. In swimming pools the procedure of filling with water should be done after at least 7 days from the application of **DECOR PU VARNISH**.

## PRECAUTIONS

For information on the safe use, storage and disposal of the product read the information on the label and in the most recent MSDS. MSDS is available upon request to the professionals. The paint leftovers should not be

disposed with household waste. You should seek advice from local authorities on the disposal and collection of waste. Poisons Information Centre Tel. +30 210 77.93.777.

*The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and of the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.*

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## POLURETHANE VARNISH

### 2-component



TECHNICAL CHARACTERISTICS		UNITS	STANDARD	VALUE
Form				Transparent (gloss/mat)
Type				Polyurethane resins
Viscosity	mat	(sec)	Flow Cup N°4	45 ± 5
	gloss			17 ± 3
Consumption for 2 layers		(g/m <sup>2</sup> )		80-120
Drying time		(h)		24
Recoating		(h)		24
Swimming pool filling with water		(d)		after 7 days
Application temperature		(°C)		>10
Substrate moisture		(%)		<4
Ambient moisture		(%)		<65
Dilution		(% v/v)		Ready-to-use
Adhesive Bond		(MPa)	EN 1542	≥1,0
Capillary absorption (w)		(kg/m <sup>2</sup> ·h <sup>0,5</sup> )	EN 1062-3	<0,1
Water vapour permeability (Sd =0,5m)		(m)	EN ISO 7783-2	<5 (Class I)
Accelerated ageing by UV radiation (2000h)		(°C)	ISO 11507-97	There is no alteration of the film
Reaction to fire		(CLASS)	EN 13501-1	F

*Note: The measurements were made in laboratory environment under temperature of +23°C, Relative Humidity 50 % and without ventilation. It is possible to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.*