



## PU Varnish

Polyurethane water-based,  
2-component. varnish



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### Packing:

A Component : 1lt | 3lt | 9lt

B Component: 0,1lt | 0,3lt | 0,9lt

## Description

High quality and special composition water based, two- component varnish. Based on polyurethane resins. It adheres well to suitably prepared surfaces and it develops very good chemical and mechanical strength.

## Product Characteristics

- New technology polyurethane water born resins.
- High adhesion.
- High strength to mild chemical such as domestic pollutants.
- High mechanical strength.
- High strength to weather conditions.
- Long lifetime.

## Purpose of Use

Ideal for the protection of Deco Cire product. It may also be used on wooden surfaces, on plaster, on fair faced concrete and as protective varnish on suitably prepared metal surfaces.

Available only for professional use.

## Shades

It is available colourless and it cannot be tinted.

## Coverage

10-12 m<sup>2</sup>/lt (performance may differ depending on the application method as well as on the absorbance of the surface).

## Recommended Painting Systems

New surfaces

Stage	Product	Coatings
<b>Preparation</b>	Surfaces should be dry and clean from oils, grease, foreign or rotten materials, dust, cementitious coatings, loose materials. New cementitious surfaces should be allowed to mature for 28 days before applying the material	
<b>Primer</b>	Use the product itself.	1 coating thinned up to 10% v/v with water.
<b>Final Coating</b>	PU Varnish.	1 - 2 coatings thinned up to 5% v/v with water.
<b>The protection painting of Deco Cire system is applied at least 4 days after the final coating of Deco Cire product.</b>		

### Application conditions

The product is applied at temperature environment from 12°C up to 30°C and maximum relative humidity 75%. Do not apply on wet surfaces or when there is a possibility for rain during the following 48 hours

### Application Instructions

The product is applied by roller or brush.

Stir well the A' component content. Afterwards pour in it the content of the B' component container. Stir well for 2-3 minutes so that it is fully homogenized. Then thin the mixture with the desirable quantity of water. Leave the mixture to rest for 5 minutes. Immediately after the material may be used. The lifetime of the mixture is 3,5 hours at 25°C.

**Caution: There is no clear indication of the expiry of lifetime but after this period (3,5 hours) the material does not maintain its properties. During the application period work out well the material with the painting tool trying not to leave it very thick. In order to obtain the maximum possible protection the surface should have been fully covered with the material without leaving small pores or spots where there is no sufficient quantity of the material**

## Technical Characteristics

<b>Density</b>	A' Component: 1,03 ± 0,02gr/cm <sup>3</sup> (ISO 2811). B' Component: 1,10 ± 0,02gr/cm <sup>3</sup> (ISO 2811). Mixture: 1,04 ± 0,02gr/cm <sup>3</sup> (ISO 2811).
<b>Viscosity</b>	Mixture 70 K.U. ± 5.
<b>pH</b>	Mixture 8,2 ± 0,2.
<b>Components Ratio</b>	10% v/v component B' in component A'.
<b>Coverage</b>	10 - 12m <sup>2</sup> /lt, depending on the kind of surface and the application method.
<b>Drying Time</b>	Touch dry from 1 to 1,5 hours depending on the weather. conditions. Through dry after 24 hours at least (drying time may be elongated according to temperature and humidity conditions). The material acquires full strength to chemicals after 7 days
<b>Recoating</b>	After 3 hours and not after 72 hours. If the material has to be re-coated after period longer than 72 hours the previous coating should be first abraded using sandpaper.
<b>Pot Life of the mixture</b>	3,5 hours at 25°C.
<b>Gloss</b>	18-25 units at 60° (semi matt).
<b>Thinning</b>	It is thinned with water at 10% v/v in case of first coating (as primer) and at 5% v/v in case of final coatings.

### ACCORDING TO 2004/42/EC

PHASE II, Subcategory: j – Two-pack performance coatings. VOC limit value = 140 gr/lit.

Thinning: Up to 10% v/v with water. Max VOC value = 140 gr/lit (thinned-ready to use).

## Storage

Keep cans air-tight sealed and protect from frost. For long-term storage, the product is best kept indoors to avoid its exposure to very low or very high temperatures as well as high humidity conditions.

## Safety Instructions- Prevention of environmental harming

The product is addressed only to professionals.

Paint remains and dirty cans should be treated as dangerous wastes, according to local regulations. Wear suitable protective glasses, gloves and equipment for protection of respiration. Use the product according to instructions described in its label.

For more information on hazards and safety information ask for and read the Material Safety Data Sheet before using the products.

*All the above information is based on laboratory tests and long-term experience of the company's scientific personnel. Product quality is guaranteed by our operational system, which is based on the requirements of ISO 9001, ISO 14001, and OHSAS 18001 Standards and EMAS Regulation. As producers we don't take any responsibility for any damage that may be caused in cases that the product hasn't been used for the appropriate application and according to the application instructions.*

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