

PU VARNISH

Polyurethane water-based, 2-component, varnish



03.2025 V.05

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. 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.



Stir well before use



Coverage:
10-12 m²/lt



Drying time:
Touch dry from 1 to 1,5 hours



Thinning
with water at 10% v/v and 5% v/v respectively.



Paint:
Roller



Paint:
Brush

Product Characteristics

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

Shades

It is available colorless, and it cannot be tinted.

Packaging: A Component

1lt
3lt
9lt

B Component

0,1lt
0,3lt
0,9lt



The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

Technical Specifications



V.O.C	140gr/lit (Maximum Volatile Organic Compounds content ready for use).
Specific Gravity	A' Component: 1,03 ± 0,02gr/cm ³ (ISO 2811). B' Component: 1,10 ± 0,02gr/cm ³ (ISO 2811). Mixture: 1,04 ± 0,02gr/cm ³ (ISO 2811).
pH	Mixture 8,2 ± 0,2.
Viscosity	Mixture 70 K.U. ± 5., 25°C (ASTM D562).
Coverage	10-12 m ² /lit,
Components Ratio	10% v/v component B' in component A'.
Thinning	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.
Application	The product is applied by brush or roller.
Drying	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.
Pot Life of the mixture	3,5 hours at 25°C.
Gloss	18-25 units at 60° (semi matt).
Recoating	Repaint after 24 hrs, depending on weather conditions. (The drying time might be elongated according to temperature and humidity conditions)

ACCORDING TO 2004/42/EK

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

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.
For further information ask for the Safety Data Sheet of the product.

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Recommended application systems

Interior/ Exterior walls

- New surfaces / Already painted surfaces

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.

Preparation

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.

Primer

Use the product itself, 1 coating thinned up to 10% v/v with water.

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1 COAT

Final coating

Use the product itself, 1 - 2 coatings thinned up to 5% v/v with water.

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1-2 COATS

The protection painting of Deco Cire system is applied at least 4 days after the final coating of Deco Cire product.