REAL®
Construction Chemicals

TWO-COMPONENT UV-RESISTANT POLYURETHANE VARNISH FOR CONCRETE - GLOSSY
REAL PU VARNISH 125

PRODUCT DESCRIPTION

REAL PU VARNISH 125 is two component, polyurethane resin based, solvent topcoat, glossy surface finish.

TECHNICIAL SPECIFICATIONS

Appearance	Glossy
Color	Transparent
Intensity (gr./ml. 20ºC)	1,02 ± 0,05
Mixing ratio by weight	Comp.: A 8 units Comp.: B 2 units
Solids by weight (w/w)	% 75 ± 2
Nozzle (inch)	0,019-0,023"
Application method	Air spray, airless spray, brush and roller
Pot life (20ºC)	40-45 min.
Full curing (20°C)	4-6 days



REAL
Construction Chemicals

INSTITUTION INFORMATION (100 micron KFK)

	Touch Dry	Hard Drying	Waiting Drying Time Between Layers (minimum)
-5°C	12 hour	29-30 hour	24 hour
0°C	9 hour	20-21 hour	18 hour
5°C	6 hour	13-14 hour	12 hour
15°C	120-160 min.	5-6 hour	3,5 hour
25°C	80-100 min.	3-4 hour	2 hour
35°C	60-80 min.	1,5-2 hour	1,5 hour

NOTE: As the application thickness increases, the drying time also

Consumtion of Wet Film Thickness (µ)	**Dry Film Thickness** (µ)	**Theoretical consumption rate** ± 10 (kg./m²)
98	**73**	**0,100**

NOTE: As the application thickness increases, the drying time also

APPLICATION AREAS AND FEATURES

REAL PU VARNISH 125 is two-component, polyurethane resin based top coat, glossy surface finish.

REAL PU VARNISH 125, Before application, the surface must be free of any moving parts that may prevent the adhesion of the product. dirt, oil, dust and paint should be removed with compressed air or sandblasting. Make sure that the floor is solid and load-bearing. The surface moisture content must be below 4% for cement based floors and below 1% for anhydrite screed coatings. Pour component B into component A first. The mixture is mixed with a low speed electric mixer until it becomes homogenous. Pour the thoroughly mixed material into a second, clean container and mix again for one minute. The prepared mixture is applied to the floor diagonally with a roller. In order to obtain good results, it is recommended to use a lint-free parquet varnish roller as an application tool. In order to prevent roller marks, it is necessary to go over the overlapping points again after 10 minutes. During the second coat application, a maximum consumption of 100-150 gr per m² should be observed. Otherwise, foaming may occur in some areas. The applied surface should be protected from water for 24 hours after application. It is a solvent type of polyurethane topcoat paint group. It is a product that can be cured at low temperatures, has high performance in terms of anticorrosive properties, and can be used where fast coat-on-coat and drying time is required.

MANUAL USAGE

Surface Preparation

The application surface is carefully cleaned from dirt, oil and grease. Loose old paint (on previously painted surfaces) is removed. Rust, dust and burrs on the surface are cleaned with diamond-tipped machine according to SA 2 ½ norms. application is done with brush, roller or gun. A mask should be used for spraying applications. Very good ventilation is required especially in small, closed areas.

REAL PU VARNISH 125 is thoroughly mixed separately before use. Then a homogeneous mixture is made with its own hardener. To prevent condensation, it is applied only on a dry and clean surface with a temperature above the dew point. Varnish temperature should be 20-35°C. Thinning may be required with very long spray hoses and paint temperatures lower than 15°C. This may lead to lower film thickness and longer drying time.
Application is done by brush, roller or spray gun. A mask should be used for spray applications. Very good ventilation should be provided in closed areas.

AMBIENT CONDITIONS

Ambient temperature should be between +5°C and 35°C. Do not apply when the relative humidity exceeds 80%. The surface temperature should be at least 3-5 °C above the dew point to prevent surface condensation.

It should be known that the consumption will increase in windy weather. The surface temperature should be at least -5°C and at most 45°C.

PACKAGES

REAL PU VARNISH 125 : Component A: 4 kg. + Component B: 1 kg.

Total set weight 5 kg.

-

REAL PU VARNISH 125 : Component A: 12 kg. + Component B: 3 kg.

Total set weight 15 kg.

SHELF LIFE

The products should be stored in its original packages in a cool and dry place. The storage life in unopened packages is 24 months for components A and B.



HEALTH AND SAFETY INFORMATION

-Read the MSDS form (Material Safety Data Sheet) for necessary safety rules and warnings. The minimum safety rules to be followed are as follows.

-Contact of the paint with skin and eyes should be prevented by using gloves, protective goggles, face mask, and industrial cream.

-Ensure adequate air circulation during application and until the paint dries.

-If paint comes into contact with skin, wash with warm water and soap or industrial cleaner. If splashed into eyes, rinse with water for at least 10 minutes and seek medical attention.

-Since such materials contain flammable components, they should be kept away from sparks and naked flames. Smoking should not be allowed in the area.

- All warning notices on the buckets must be read carefully and the recommended operating rules must be observed.

* Our information about the products is based on our own laboratory tests and research under normal conditions. Our company is not responsible for studies under unsuitable application conditions. The right to change this information is reserved by our company. Please contact R.Y.K. for more detailed information. Rev. No:09/Rev.Date: October 2022

ADA COLOR LTD
• Life In Colors •
www.adacolor-bg.com

Sofia 6 "Andrey Germanov"str. mobile: 089 666 3042 / 089 468 3880	Sofia, "Ovcha Kupel 1" quarter 33 "Promishlena" str., 429 bl., store 18, mobile: 089 666 9071	Plovdiv 176 "Brezovsko shose" str. mobile: 089 544 7503 / 089 666 3044	Varna 25 "Usta Kolyu Ficheto" str. mobile: 089 666 9079 / 089 466 9023
Shumen, "Dobrudzhanski" quarter Ind.zone, "Stroykomplekt" site mobile: 089 455 1685 / 089 666 3043	Kardzhali 1 "Klokotnitsa" str. mobile: 089 575 0749 / 089 666 3057	Troyan 49 "Makedoniya" str. mobile: 089 666 9079 / 089 673 4489	Haskovo, 5 "Okolovrasten pat" str. South Industrial zone mobile: 089 666 3051 / 089 241 2833