POLYWAP 9302 FLOOR PU TOPCOAT ACR – 2K E-CATALOG

TWO COMPONENT, POLYESTER RESIN BASED, POLYUREA TOPCOAT



DESCRIPTION FOR IT

It is a two component, fast curing, high uv resistant polyurea topcoat based on aliphatic acrylic polyester resin, designed for use in multi layer or thin film systems as a colored flooring material with a smooth, glossy, or matte finish.

AREAS OF USE

It is used as a protective topcoat for all types of flooring, including outdoor applications. It serves as a protective topcoat on concrete, cement, and epoxy joints, various industrial floors, galvanized, aluminum, and stainless steel surfaces, pvc flooring, and exterior insulation materials

ADVANTAGES

It is suitable for airless spray applications. It is resistant to many chemicals, such as diesel fuel and gasoline. It features high abrasion resistance and a tough, flexible structure. It has high uv resistance.

TOOLS USED

Hand mixer, airless sprayer, roller.

RESISTANCE

Mechanically, it withstands the effects of moderate to high loads; thermally, it withstands temperatures up to +80°C in humid conditions (in the absence of chemical or mechanical stress) and up to +120°C in dry conditions.

APPLICATION CONDITIONS

The ambient humidity must not exceed 75%, and the application temperature (for both the environment and the surface) must be between 5°C and 35°C. For outdoor applications, there must be no rain for 48 hours before or after application. Additionally, the surface temperature must be at least 3°C above the dew point.

MIXING

This is a two component product; therefore, the amount to be used must be prepared according to the specified mixing ratio, taking the pot life into account. Ensure the product temperature is not below 15°C to achieve a homogeneous mixture. Component A should be mixed rapidly using a mechanical mixer; then, the hardener (Component B) should be added, strictly adhering to the mixing ratio. Components A and B must be mixed using a mechanical mixer for at least 3 minutes until a homogeneous mixture is obtained. Ensure that the prepared mixture is used up within its pot life.

APPLICATION

Once ready for application, the mixture is applied via airless spray or roller either at the quantity specified for the coating system or in an amount sufficient to achieve the desired dry film thickness (verified using a wet film comb). The waiting time between coats is a minimum of 6 hours (at 20°C) and a maximum of 5 days. It is crucial to apply the second coat within this specified recoating window. Full mechanical and chemical resistance is achieved within approximately 7 days.

CLEANING

The tools used are cleaned with cellulosic or polyurethane thinner before they dry. Rollers cannot be reused.

CONSUMPTION

1st Layer: 100-150 g/m2 - 2nd Layer: 100-150 g/m2

PACKAGING

15 kg Set (Component A: 12 kg, Component B: 3 kg)

STORAGE AND SHELF LIFE

Store the product in a cool, dry place. The shelf life is 1 year for Component A and 6 months for Component B, provided they are stored properly in their original, unopened containers. The packaging must be protected from frost and heat. Pallets must not be stacked on top of each other during transport and storage.

STANDARD

EN 1504-2:2004 CE Certificate

TECHNICAL SPECIFICATIONS

9302 FLOOR PU TOPCOAT ACR – 2K	FEATURE
Appearance	Glossy/Matte
Color	Ral colors
Density	1,20 ± 0,05 kg/l (A+B)
Mixing ratio	12:3 (A:B – by weight)
Solids content (by volume)	%51 (A+B)
Pot life (+25°C)	2 hours
Waiting time between coats (20°C)	6 hours
Pedestrian traffic (20°C)	1 days
Full cure (20°C)	7 days
Taber wear resistance	40 mg (after complete cure)