POLYWAP 9304 FLOOR PU TOPCOAT D – 2K E-CATALOG

IT IS A TWO COMPONENT, POLYURETHANE BASED, SOLVENT FREE LIQUID WATERPROOFING MEMBRANE



DESCRIPTION FOR IT

It is a two component, solvent free, liquid polyurethane based material. It adheres with superior performance to almost any type of surface, forming a strong, moderately elastic film. Its composition is based on pure elastomeric, hydrophobic polyurethane resin and special inorganic fillers, which provide the material with excellent resistance to chemical agents and abrasion. It tends to yellow when exposed to uv radiation, whether directly or indirectly. However, this is a superficial change; it does not in any way affect the waterproofing properties or protective performance. Pigmented aliphatic topcoat products should be used to maintain the color.

AREAS OF USE

Industrial floors, parking garages, stadium stands, chemical storage tanks, wastewater/chemical treatment tanks, sewage tanks.

ADVANTAGES

It adheres perfectly to almost any type of surface. Being solvent free, it can be easily applied in enclosed spaces. It is resistant to cold; the film retains its elasticity down to -40°C. It possesses high thermal resistance. The product does not soften again after curing. The maximum service temperature is 90°C, and the maximum shock temperature is 200°C. It offers high chemical resistance. It exhibits superior mechanical properties, including high tensile strength, tear strength, and abrasion resistance. It contains no toxic substances after curing. It is suitable for waterproofing water tanks.

TOOLS USED

Hand mixer, airless sprayer, roller.

APPLICATION CONDITIONS

The relative humidity of the air must not exceed 80%, and the application temperature (ambient and surface) must be between +3°C and +35°C. For outdoor applications, there must be no rain 24 hours prior to, during, and 24 hours after the application. The substrate temperature must be at least 3°C above the current dew point temperature. (Please request the ambient temperature, ambient humidity, and dew point temperature chart from our company.)

APPLICATION SURFACES

Concrete, fiber cement, mosaic, cement based roof tiles, old but well adhered acrylic and asphalt coatings, wood, corroded metal, and galvanized steel surfaces.

PREPARATION OF CONCRETE SURFACES

The surface should be cleaned using pressurized water if possible; oil, grease, fuel, and paraffin residues must be removed, and the surface must be completely cleared of form release agents, cement residues, wood chips, loose particles, and cured membranes. Surface defects and cracks should be repaired by filling them with suitable products. Please contact our technical department regarding tanks made of materials other than concrete.

MIXING

As this is a two component product, prepare only the amount to be used at the specified mixing ratio, taking the pot life into account. Ensure the product temperature is at least 15°C to achieve a homogeneous mixture. Briefly mix component A on its own using a mechanical mixer, then add the hardener (component B) while adhering to the mixing ratio. Mix components A and B using a mixer running at low speed (300 rpm thats mean 300 revolutions per minute) for at least 3 minutes until the mixture is homogeneous. Ensure the prepared mixture is used within its pot life.

UYGULAMA

Havasız sprey veya rulo ile yüzeye uygulanır.

CLEANING

Clean the tools used with cellulosic or polyurethane thinner before they dry. Rollers cannot be reused.

CONSUMPTION

The minimum total consumption is 0.3–0.5 kg/m².

PACKAGING

4 kg Set (Component A: 3 kg, Component B: 1.5 kg) - 15 kg Set (Component A: 10 kg, Component B: 5 kg)

STORAGE AND SHELF LIFE

The material must be stored in a cool, dry place. When stored correctly in its original, unopened packaging, the shelf life of components A and B is one year. Containers must be protected from frost and heat. Do not stack pallets during transport or storage. The pot life of the mixed components is 30 minutes at 20°C. To extend the pot life, keep the container holding the mixture in a cool environment away from direct sunlight. To prevent the mixture from setting prematurely, first pour it onto the floor and then spread it out; alternatively, pour the mixed product into a separate, wide, shallow container.

STANDARD

EN 1504-2:2004 CE Certificate

TECHNICAL SPECIFICATIONS

9304 FLOOR PU TOPCOAT D – 2K	FEATURE
Appearance	A: Thixotropic. B: Liquid
Colour	Ral(9001 off-white)
Intensity	A:1,20, B:1,22 ± 0,05 gr/cm³ 20°C
Mixing ratio	2:1 (A:B – by weight)
Solid by volume	%100 (A+B)
Mixture life (+25°C)	20 minutes
Inter-floor waiting time	6-24 hours
Serving temperature	-40 ile90 °C
Shore D hardness	>60
Elongation at break	>50
Tensile strength at break	>30 kg/cm² (20 N/mm²)
Water vapor transmission	0.8 g/m². per hour.
Adhesion to concrete	Concrete deterioration >4 Mpa
Fresh concrete	Concrete deterioration >4 Mpa
Galvanized steel	>10 MPa pulley failure