

## DESCRIPTION

**EPOPOLY UC** is a two component UV stable, high performance polyurethane coating system offers excellent gloss, protection, wear. It is a pigmented coating allowing improved aesthetics and the demarcation of pedestrian and traffic areas, for safety and improved traffic flow.

## USES

**EPOPOLY UC** is used in areas where UV resistance and hard wearing is required, Applications including:

- UV resistance top coat for epoxy flooring and coating in external areas
- Car park decks, Trafficable flat roofs, Traffic Ramps, Balconies and Plant rooms
- Sports stadium and grandstand waterproofing coatings
- Work Shops, Diaries, Soft drink productions and kitchen
- Protection of concrete from the damaging effects of salt water, chemicals, fuel and oil spillage.

## ADVANTAGES

- Low cost in service - due to combination of excellent UV and good chemical resistance properties.
- Labour saving - can be applied directly onto fully cured epoxy coatings, without need for priming system.
- UV Stable - will not fade or deteriorate in strong sunlight.
- Excellent service life - resistant to chlorides, Sulphate and wide range of chemicals.

## PRODUCT DATA

<b>Form</b>	Liquid
<b>Colour</b>	Transparent & Pigmented
<b>Packing</b>	20 Kg Set (A+B)
<b>Consumption</b>	UV Protection Coat: 0.150 Kg/M <sup>2</sup>
	Industrial Flooring: 0.350 Kg/M <sup>2</sup> /Coat for 175micron dft (minimum two coat application is recommended)
<b>Shelf Life</b>	12 months from the date of production if stored at unopened, sealed under controlled conditions

## TECHNICAL SPECIFICATION

Test Name	Average Result
<b>Mixed Density @ 25<sup>0</sup>C</b>	1.34 ± 0.03 g/cm <sup>3</sup>
<b>Solids by weight (%)</b>	72 ± 2
<b>Pot Life @ 25<sup>0</sup>C</b>	> 30 min
<b>Hardening</b>	6 - 8 Hours
<b>Full Cure</b>	7 Days
<b>Shore A Hardness (ASTM D2240)</b>	80
<b>Tear Resistance</b>	> 25 N/mm <sup>2</sup>
<b>Tensile Strength (DIN 53 504)</b>	2 N/mm <sup>2</sup>
<b>Bond Strength (BS EN 13892-8)</b>	> 6 N/mm <sup>2</sup>
<b>Flexibility</b>	Excellent
<b>Flash Point</b>	35°C ± 3
<b>Gloss Retention</b>	Glossy , Excellent
<b>Chemical resistance</b> Water Resistance Solvent Resistance	Very Good

## STANDARDS

BS EN 1504-2 (Protection systems for concrete surfaces)



## APPLICATION PROCEDURE

### SURFACE PREPARATIONS

All surfaces should be clean, dry and free from contamination

**As UV protection coat on previously coated surfaces:** surfaces should be clean, dry and free of laitance, oil, grease or any substance that may weaken adhesion.

**Other surfaces:** Concrete surface preparation by using dust free captive blasting units grinding equipment, sand blasting or high pressure water jetting is critical to achieving the right surface profile prior to paint application. Contact **EPO GULF Technical Department** for more information.

The coating may be used on other substrates such as steel and ceramic. Please Contact **EPO GULF Technical Department** for more information.

### CONDITON DURING APPLICATION

The temperature of the substrate should be minimum 0°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

### MIXING PROCEDURE

**Mixing:** **EPOPOLY UC** is a two-component system and must be thoroughly mixed before use. Pour the entire contents of Part B to Part A container using a spatula or similar. It is recommended that Part B be mixed thoroughly with Part A for one minute, scrape sides of container and continue mixing for 2-4 minutes with a slow-speed (500-600 rpm) drill/paddle attachment until uniform colour is achieved.

### APPLICATION AS UV PROTECTION

Apply **EPOPOLY UC** by roller or airless spray to the prepared surface. Apply at the rate of 0.150Kg/m<sup>2</sup>/coat.

### APPLICATION AS FLOOR SYSTEM

Primer is normally recommended prior to **EPO POLY UC** application. The prepared substrate should be primed with **EPO FLOOR PR** at the rate of 0.150-0.250Kg/m<sup>2</sup> depends upon the substrate surface and quality.

Two coat application is recommended for **EPO POLY UC** floor system. The first coat of **EPO POLY UC** should be applied using roller or airless spray to the primed surface at the rate of 0.350Kg/m<sup>2</sup>. When the base coat has reached initial cure (8 hours @ 25°C or 6 hours at 35°C) the top coat can be applied.

### HEALTH AND SAFETY

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.