POLYURIT, PU-232

Tinted Polyurethane
High Solid UV Resistant

Uses

It is a two-component, satin polyurethane coating with good gloss and colour retention.

It is recommended as a finishing coat for the protection of Concrete in moderate to high traffic areas, where light-fastness and gloss retention are required. The minimum temperature for curing is -10°C/14°F.

- Excellent for primed concrete surfaces.
- Excellent on correctly prepared and primed steel surfaces.
- UV resistance.
- Anti-Slip.
- Anti-Scratch.

Dry: Maximum 120°C. At service temperatures above 100°C/212°F,

Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.

Packaging

The product is supplied in full units as a 2-component pack.

POLYURIT	8 Litres
POLYURIT Hardener	2 Litre
Ratio	4:1

Curing Times

Dry to touch	1 hour
Hard dry	24 hours
Full curing	7 days
Recoat interval, Min	1 hour
Recoat interval, Max	None, See Remarks

Additional Information

Colours	Tintable
Finish	Satin
Solid Content (by Volume)-%	75±5
Theoretical spreading rate	13.75 m2 /lit 40 Mic 526 Sq.ft./US gallon-1.58 mils
Flashpoint	32°C/90°F
Specific gravity(Tinted)	1.45 kg/lit- 13.152 lbs/US gallon
V.O.C.	Max. 90gr/lit
Shelf life	1 Year (25ºC / 77ºF) from the time of production. Depending on storage conditions, mechanical stirring may be necessary before use.

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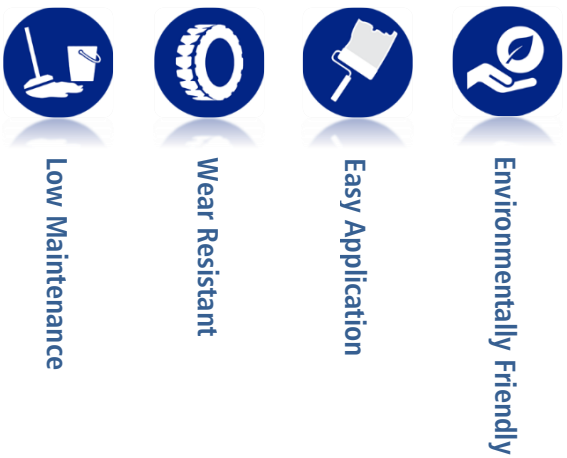
POLYURIT is our highly UV-resistant two-pack polyurethane coating that excels as an indoor and outdoor concrete coating. POLYURIT floor coating has very strong bonding properties.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust, and other contamination. The substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).



Surface Preparation

Polyurit should not be applied to floors subject to rising dampness or moisture content higher than 4%. The surface must be prepared and free from oils, chemicals and any other material that may affect the adhesion, such as concrete curing membranes.

Concrete substrates should be at least 28 days old.

Use recommended thinner as specified. Do not over-thin as this may affect mechanical properties.

Mixing

Stir Base A to re-disperse any settlement. Decant the required amount of Base A into a clean container by weight using digital scales. Add Hardener B to the Base A container and drain thoroughly. Mix with a slow-speed drill and helical spinner head for 2 Mins, taking care not to entrain air.

Application Method

Method	Airless sprays	Brush (touch-up)
Thinner (max. vol.)	EX-T-2 (10-30%)	EX-T-2 (5%)
Pump ratio minimum	30:1	
Tip size	0.017"–0.019"	
Tip pressure	150 bar/2100 Psi	
Cleaning of tools	EX-T-2	
Indicated film thickness, dry	120 microns	
Indicated film thickness, wet	200 microns	

Conditions: Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3°C above the dew point.

Storage

Time	12 Months in Unopened Packs.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Remarks

Preceding Coat	Epoxy primers such as **PRIMIT**. Epoxy midcoat, such as **INDOPOX**.
Subsequent Coat	-

A completely clean surface is mandatory to ensure inter-coat adhesion, especially at long recoating intervals. Any dirt, oil, and grease must be removed, e.g., with a suitable detergent. Salts should be removed by freshwater hosing. To check the adequate quality of the surface cleaning, a test patch is recommended before actual recoating.

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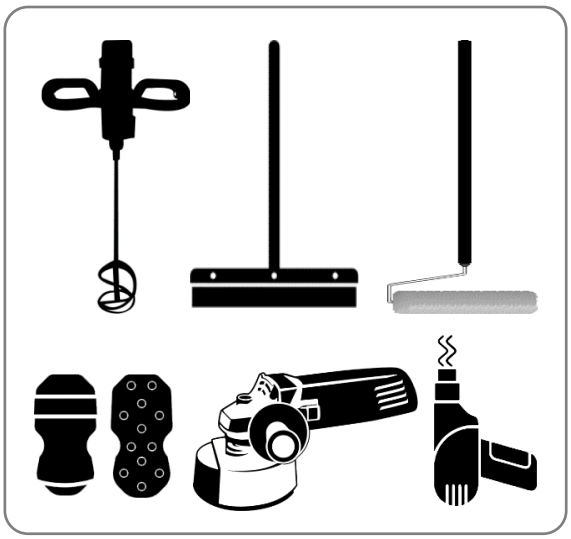
Film Thickness

It may be specified in another film thickness than indicated, depending on the purpose and area of use.

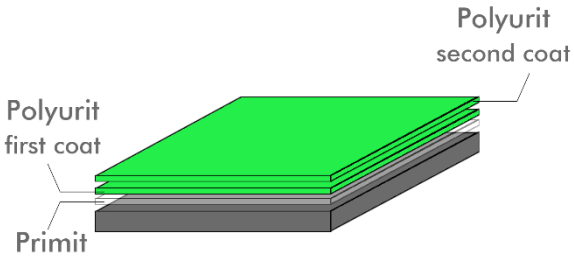
This will alter the spreading rate and may influence drying time and recoating intervals. The normal range is 40-60 microns/ 1.6–2 mils.



Recoating and drying/curing time

Recoating intervals related to later conditions of temperature:

Temperature	Time (Hours)
25°C	8-72
20°C	12-96
15°C	24-96



Safety

Refer to SDS for correct Dangerous Goods classification.

Application Equipment

The use of correct application equipment is critical, as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work. The following equipment is recommended for this application.

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