



POLYURIT-C, PU-234

Clear Polyurethane
High Solid UV Resistant

Uses

It is a two-component, Clear 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 lightfastness and gloss retention are required. The minimum temperature for curing is 10°C/50°F.

- Excellent for primed concrete surfaces.
- UV resistance.
- Anti-Scratch.



UV Resistant



Chemical Resistant



Water Resistant



Heavy Duty

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 data sheets for the individual components.

Packaging

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

POLYURIT	6 Litres
POLYURIT Hardener	2 Litre
Ratio	3:1 by Volume

Curing Times

Dry to touch	1 hour
Hard dry	24 hours
Full curing	7 days
Recoat interval, Min	4 hours
Recoat interval, Max	48 hours

Additional Information

Colours	Clear
Finish	Gloss
Solid Content (by Volume)-%	60±5
Theoretical spreading rate	7.5 m ² /lit
Flashpoint	32°C/90°F
Specific Gravity	1.1kg/litre
V.O.C.	Max. 90gr/lit
Shelf life	1 Year (25°C / 77°F) from the time of production. Depending on storage conditions, mechanical stirring may be necessary before use.

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).

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POLYURIT-C is our highly UV-resistant two-pack polyurethane coating that excels as an indoor and outdoor concrete coating.



Surface Preparation

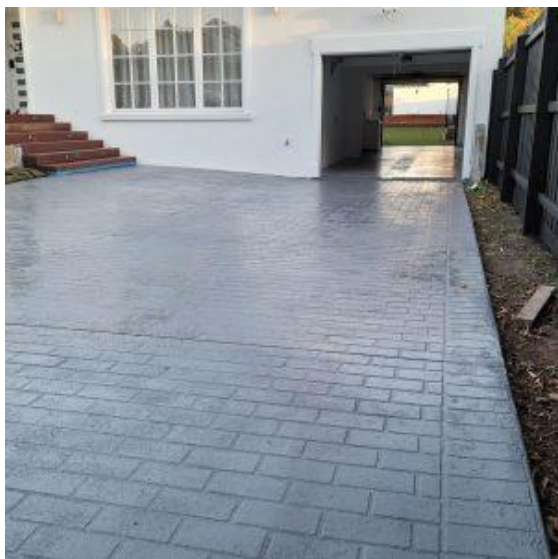
Polyurit should not be applied to floors subject to rising dampness or moisture content higher than 4%. The surface must be prepared and free from oils, chemicals and any other material that may affect the adhesion, such as concrete curing membranes.

Concrete substrates should be at least 28 days old.

Parts A and B should be mixed at low speed, thoroughly, for 2 minutes. Do not use thinner, 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 volume, using the 3:1 ratio (Base A: Hardener B). 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 and Roller
Thinner (max. vol.)	EX-T-2 (10-30%)	N-Recommended
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 5°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: PRIMIT . Epoxy mid-coat: INDOPOX .
Subsequent Coat	Polyurit-C

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.

Film Thickness

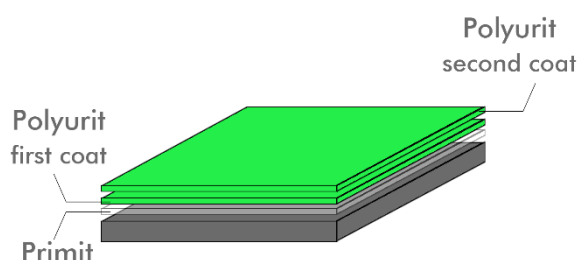
It may be specified in another film thickness than indicated, depending on the purpose and area of use.

This will alter the spreading rate and may influence drying time and recoating intervals. The normal range is 120-200 microns.

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



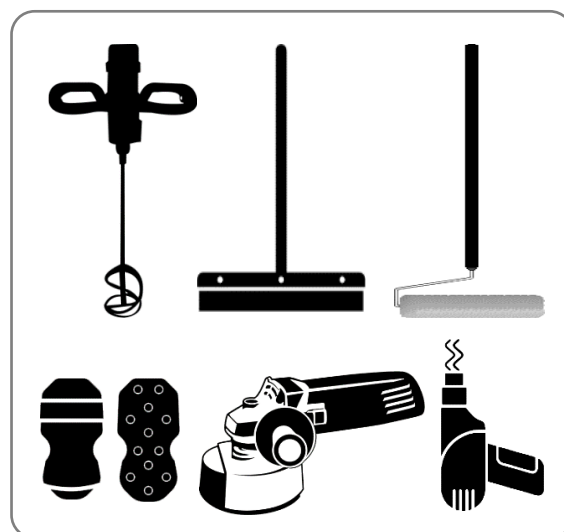
Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Chemstuk material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes. Apply only in well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions. Please follow the instructions on dangerous goods transport

according to Flammable Paint UN 1263 (Part A) and Corrosive Liquid UN 1760 (Part B)

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.



DISCLAIMER

This Technical Data Sheet is to be used as a guide only; it is NOT a specification. Chemstuk Pty Ltd has no control over the use or storage of this product and therefore does not accept liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice; all applicators should ensure they have current information. This product is intended for the use only of skilled tradesmen and, where applicable, statutorily licensed tradesmen experienced and trained in the use of this product. Due to differences in substrates, application methods and local conditions, purchasers of these products must ensure that they are suitable for their specific application before using these products. While the information contained in the TDS and SDS is accurate to the best of our knowledge, Chemstuk Pty Ltd cannot guarantee that the information contained is wholly comprehensive. Subject to the provisions of the Trade Practices Act, the company's liability in relation to defective products shall be limited to replacement of the product if the product is proven to be defective.