



POLYURIT, PU-232

Tinted Polyurethane
High Solid UV Resistant

Uses

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

It is recommended as a finishing coat for protection of Concrete and structural steel in moderate up to the severely corrosive atmospheric environment, 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,



UV Resistant



Chemical



Water



Heavy Duty

CHEMSTUK Pty Ltd
1/11 Industrial Avenue
Thomastown
Tel: +61 3 9936 0531
www.chemstuk.com

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 | 6 Litres |
| POLYURIT Hardener | 0.6 Litre |
| Ratio | 10:1 |

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)-% | 65±5 |
| Theoretical spreading rate | 13.75 m ² /lit 40 Mic 526 Sq.ft./US gallon-1.58 mils |
| Flashpoint | 32°C/90°F |
| Specific gravity | 1.45 kg/lit- 13.152 lbs/US gallon |
| V.O.C. | Max. 90gr/lit |
| Shelf life | 1 Year (25°C / 77°F) from the time of production. Depending on storage conditions, mechanical |

pack polyurethane coating that excels as an indoor and outdoor concrete coating. POLYURIT floor coating has very strong bonding properties.

| | |
|--|---------------------------------------|
| | 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).



Low Maintenance



Wear Resistant



Easy Application



High Durability

Surface Preparation

CINDOPOX 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.

Part A and B should be mixed at low speed, thoroughly for 3 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 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 60 seconds, taking care not to entrain air. Add Filler C to achieve the desired consistency. Mix until uniform.

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 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 such as PRIMIT . Epoxy Mid coat 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.

Film Thickness

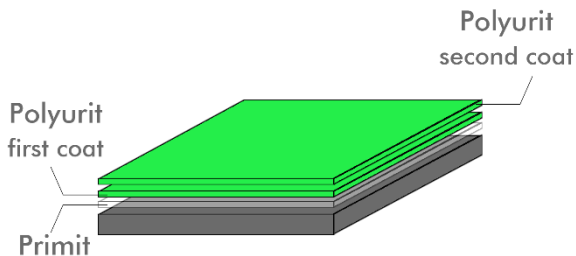
May be specified in another film thickness than indicated depending on purpose and area of use.

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 |



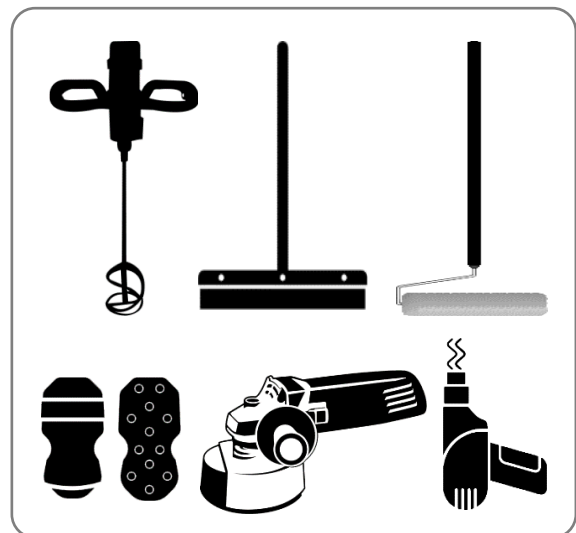
Safety

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 inhalations of possible solvent vapors 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 instruction 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, therefore all applicators should ensure they have current information. This product is intended for the use only of skilled tradesman and where applicable, statutory 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 it is 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.