

RESIDENTIAL  
& COMMERCIAL

INDUSTRIAL  
& MARINE

ART  
& CRAFT

**SHIMICOAT**  
SURFACE SOLUTIONS



# UVthane PLUS

UV Resistant Polyurethane

## Coverage

5-10sqm/Lt Per Coat / Recommended Two Coats

## Applications

Roller, Brush or Squeegee

Both Penetrating and High Build Sealer

Ideal for Topcoat Applications

**WARNING:** Once mixed, empty the content onto the surface followed by roller/brush/squeegee application. The floor surface adsorbs the heat and cools down the exothermic reaction of UVthane.

## Dry Time at 25°C

Touch Dry: 16 Hours (Depending on temperature, air flow and humidity)

Recoat: Over Night (Min 16 Hours at 25°C)

Foot Traffic: 16 Hours

Heavy Traffic: 48 Hours

## Clean Up

Clean-Up with Xylene, EpoDil or AcryDil

## Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash

Acid-wash to enhanced surface porosity and etch the surface

Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry.

Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Epoxy products, to maximize adhesion.

For further information, please refer to SHIMICOAT Instruction for "Surface Preparations".



**MATERIALS**



**CHEMICALS**



**RESINS**



**EQUIPMENT**

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## Direction

SHIMICOAT Polyurethane can be applied directly on surface or over other epoxy and decorative materials such as Quartz, Flakes or Glitters.

### SHIMI Quartz:

Remove excessive Quartz, cleanup, vacuum, broom or blow out loose Quartz. Ensure the floor has been uniformly prepared and all loose materials vacuumed or removed from the surface.

Apply using a suitable roller or spread with a squeegee then level by back-rolling in both Criss-Cross directions.

One coat of SHIMICOAT Crystal Clear Polyurethane (UVthane or UVthane PLUS) is enough for topcoat and two coats are ideal.

The second coat must be applied within 16 hours of the 1st coat being applied. Sanding may be required, if there is a between-coat interval gap of over 72hours.

### Flake Flooring:

Ensure flaked floor has been uniformly scraped and all loose flakes vacuumed or removed from the surface.

Apply using a suitable roller or spread with a squeegee then level by back-rolling in both Criss-Cross directions.

One coat of SHIMICOAT Crystal Clear Polyurethane (UVthane or UVthane PLUS) is enough for topcoat and two coats are ideal. The second coat must be applied within 16 hours of the 1st coat being applied. Sanding may be required, if there is a between-coat interval gap of over 72hours.

### Direct on Concrete:

Over new concrete, ensure concrete is sufficiently cured (recommended minimum 28 days), with moisture content of less than 5%. Skim grinding of the surface may be required to remove surface materials such as concrete sealer, paint, algae, mildew, mould, oil, grease and loosely bonded concrete. If grinding is unavailable, we recommend acid wash followed by pressure cleaning. Allow to thoroughly dry before coating.

Please refer to the following SHIMICOAT Procedures for further details:

- Surface Preparation Procedure
- Concrete Moisture Test
- Concrete Acid Wash

### Application:

- Calculate coverage rate of 5-7m<sup>2</sup> per litre depending on film build.
- Pot Life of the product is 45 minutes depending on the temperature, get it out of the mixing bucket and *on the floor* within 10min or less, to cool it down.
- Blend enough quantity that you can comfortably apply within your time-frame, not too much, not too little. We recommend 2.5Lt (one person) or 5Lt Max for two people mix at a time, and applying.
- By weight, Add 1 part of Part A into 4 parts of Part B.
- By volume, Add 1 part of Part A into 3.6 parts of Part B.
- Mix with slow RPM mixer or stick for 2-3 minutes gently and uniformly, in both directions. DO NOT introduce air into the product, avoid aggressive mixing.
- Use Neat. Only if necessary, dilute by adding up to 5% AcryDil, EpoDil or Xylene into the mix to make it easier to roll out and apply to the surface. Example of such situation is, during winter when temperature is closer to 10°C and resin is viscous or if you wish to thin it down during first application and allowing deeper penetration.
- Mix well and commence application using brush, roller or squeegee.

### Warning:

- Please consult MSDS of the product prior to use.
- Do Not Apply if rain is expected within 24 hours, when applying outdoor
- Surface Prep is crucial to ensure strong bonding. Surfaces such as Porcelain Tiles, Polished or Burnished Concrete are not suitable for coating due to lack of surface porosity.
- Sealed surfaces can become slippery when wet.
- DO NOT apply over existing low-quality sealers or coating materials
- USE only UVthane PLUS over driveway or pool surroundings with extreme UV radiation  
*SHIMICOAT has a wide range of sealers for outdoor surfaces, driveway and under direct sun surfaces:*
  - UVthane PLUS,
  - Acrylic Sealers,
  - AQUAthane and AQUA SEAL
- Main three reasons detrimental to curing process of SHIMICOAT Crystal Clear UVRes Polyurethane:
  - Not mixed properly, mix for a minimum of 2 minutes using low speed electric mixer or paint mixer
  - Wet substrate with moisture content over 5%
  - Too Cold: Low atmospheric temperature, lower than 10 °C
  - Main three reasons detrimental to curing process of SHIMICOAT Crystal Clear UVRes Polyurethane:
- Once mixed, empty the content onto the surface followed by roller/brush/squeegee application. The floor surface adsorbs the heat and cools down the exothermic reaction of UVthane.

### Storage

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months, mix uniformly for 3 minutes prior to use.

### DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

*This information and all further technical advice are based on our present knowledge and experience.*

*The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.*