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**SHIMICOAT**  
SURFACE SOLUTIONS



# AQUAthane Tinted

## *Water-based Polyurethane*

### Description

An Industrial water based Tinted finish Polyurethane, single component sealer, designed to protect and enhance concrete surfaces internally and externally. SHIMICOAT AQUAthane Tinted is an advanced formulation, cross linking emulsion with strong bonding to well-prepared concrete surfaces. The product can be used over existing solvent based acrylic coatings to freshen up your concrete surface. AQUAthane Tinted is an odorless, Green Star compliant (VOC free) sealer.

A ready-to-use water-based Polyurethane Tinted topcoat with excellent adhesion for added scratch and mar resistance with excellent moisture barrier properties. The product is engineered for superior toughness, durability, water resistance, and is excellent for applications where hardness and longevity are required. AQUAthane Tinted is an environmentally benign, non-flammable, fast drying, low odor alternative to solvent-based lacquers.

The product can be applied to most surfaces such as:

- Driveways
- Garage & Warehouse Floors
- Cafés and restaurants
- Alfresco & Patio

### Features

AQUAthane Tinted is a single component water-based sealer designed to soak into the surface and provide protection from moisture ingress. The product's outstanding features:

- Easy Application:
  - Rolled
  - Brushed
  - Spray
- Water Based Product
- Non-Hazardous – Non-Dangerous Goods technology
- Odorless
- Weather resistance, friction resistance and compression resistance
- Hardwearing finish surface
- Excellent adhesion to concrete
- Excellent waterproof and anticorrosive properties
- Ideally suitable for under direct sunlight with extreme UV radiation
- Excellent anti-graffiti coating
- Excellent resistance to oil and most household chemicals
- Ideal for both Indoor and Outdoor
- Ready-to-use formulation without any need for dilution
- Protect against salt ion ingress
- Protect against efflorescence & biological growth
- Long lasting and Durable

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

Ph: (08) 9364 7446 | [info@shimi.com.au](mailto:info@shimi.com.au) | ABN: 28 622 871 283 | [www.shimi.com.au](http://www.shimi.com.au)

## Pack Size

Larger kit sizes are available for special orders.

Kit Size (Lt)
5Lt
10Lt
20Lt

## Colour Chart

AUUAthane Tinted is available in many colours and pre-tinted for ease of application. Standard Colours:

- White N14
- Black N61
- Neutral Grey N23
- Dark Grey N64
- Cream Y34
- Charcoal B64
- Terracotta R52
- Bright Blue B23
- Dark Brown X65

SHIMICOAT offers all Australian Standard AS2700 Colours, consisting of 206 colours. Please contact SHIMICOAT office for your custom design tint. Extra charges may apply.

## Coverage

5-10sqm/Lt Per Coat  
Recommended Two Coats

5Lt Drum Covers 25-50sqm Per Coat (Need Two Coats)  
10Lt Drum Covers 50-100sqm Per Coat (Need Two Coats)  
20Lt Drum Covers 100-200sqm Per Coat (Need Two Coats)

## Applications

Roller, Brush or Spray

## Curing Time at 25°C

Touch Dry: 3 Hours (Depending on temperature, air flow and humidity)  
Recoat: 4-6 Hours or Over Night (Min 4 Hours at 25°C)  
Foot Traffic: 16 Hours  
Heavy Traffic: 72 Hours

## Clean Up

Clean-Up with water soon after completion of coating

## Preparations

All surfaces should be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by mechanical grinding, abrasive blast cleaning, high pressure water blasting, scrubbing or other suitable means.

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. Holes, crack lines, surface damages shall be fixed using SHIMICOAT Prior to Coat Procedures and Epoxy Crack Repair Kit. For further information, please refer to SHIMICOAT Instruction for "Surface Preparations".

## Specifications

Physical Properties of AQUAthane Tinted:

<b>Mix Ratios</b>	Use Neat, use Deionised water if you need to dilute.
<b>Appearance</b>	Single Pack Milky Liquid
<b>Solid Content (%)</b>	>50% Polyurethane Polymer (Cross-Linked Emulsion)
<b>Relative Density (Water=1.00)</b>	1.0
<b>Pot Life (Min)</b>	Indefinite
<b>Thinning, Dilution Chemicals</b>	Deionised Water – Up to 10% Vol (Only if necessary)
<b>Solubility</b>	Water Soluble
<b>Application Conditions (Temp °C)</b>	10 – 30 °C
<b>Coverage Rate</b>	5-10 sqm/L/Coat, Needs Two Coats
<b>pH</b>	7.5 - 8.5
<b>Recoat Time</b>	2-4 Hours
<b>Dry Time</b>	1 Hour (more depending on weather conditions)
<b>UV Resistant</b>	Non-Yellowing & Durable

## Epoxy vs Polyurethane

SHIMICOAT is the manufacturer and supplier of a wide range of Epoxy products for various applications and different desired performance results. Epoxies have below desirable properties:

- **Super strong bonding to a well-prepared concrete surface**, creating a well-adhered system base that will allow subsequent build and topcoats. A complete coating system is only as good as its initial bond to the concrete substrate.
- **High Build Up/ High Thickness epoxy application of 10mm or more**, ideal for basecoat. High Build Up/ High Thickness epoxy application of 10mm or more by self-levelling allows the coating to chemically bond to the epoxy primer, and is thick enough to your desire to self-level and fill minor concrete blemishes and hairline cracks. Depending on the desired performance requirements and condition of the concrete, more build coat applications may be installed by PourOn method. Upon curing, the epoxy build-coats provide a hard, durable surface.
- **Easy Installation & High Performance upon curing**, the epoxy build coats provide a hard, durable surface with good impact resistance
- **Resilient, impact resistant and hardwearing**: Ideal for high traffic floor,
- **Cost Effective** when compared to many other industrial flooring solutions

The two major drawbacks with Epoxy products are:

- Sensitive to UV radiation of sunlight and they tend to amber or yellow over time, so non suitable for outside applications, under direct sun or UV radiation
- Epoxies are not as abrasion and chemical-resistant as polyurethanes, they are more susceptible to scratch and marks

SHIMICOAT recommend Epoxy applications for basecoat and those areas out of direct sunlight and UVthane or AQUAthane Tinted Tinted for all topcoat applications.

### 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.

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