

RESIDENTIAL
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INDUSTRIAL
& MARINE

ART
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SHIMICOAT
SURFACE SOLUTIONS



Benchtop Epoxy Glitter

Complete Kit

Kit Sizes

5sqm Kit Contains

| Product Description | Size | Code | Quantity |
|----------------------|--------|------|----------|
| Premium Tinted Epoxy | 2Lt | PT | 1 |
| Glitter | 200mL | GT | 1 |
| UVthane PLUS | 1.15Lt | UP | 1 |

10sqm Kit Contains

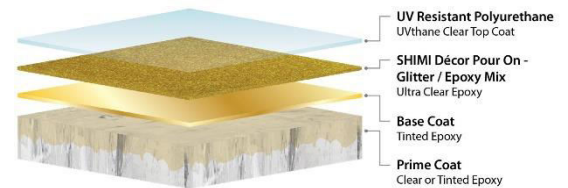
| Product Description | Size | Code | Quantity |
|----------------------|-------|------|----------|
| Premium Tinted Epoxy | 4Lt | PT | 1 |
| Glitter | 200mL | VF | 2 |
| UVthane PLUS | 2.3Lt | UP | 1 |

Description

Benchtop Epoxy Glitter is a complete kit containing Epoxy and Coating Materials for multi-layer coating with glitter decorative finish in your choice of colour. The kit system contains:

1. Base Coat Epoxy
2. Glitter in your choice of colour
3. Ultra Clear Epoxy Topcoat

Please refer to SHIMICOAT colour brochures for your décor matching selection.



Colour Chart – Base Coat

Prime Coat and Base Coat Standard Colours:

- White N14
- Black N61
- Neutral Grey N23
- Dark Grey N64
- Cream Y34
- 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.

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

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

Colour Chart – Glitters

- Arabian Gold
- Bloody Burgundy
- Brilliant Blue
- Sparkling Green
- Floral Green
- Organic Orange
- Fine Gold
- Smoking Silver
- Rainbow White
- Inspiring Yellow
- Paradise Pink

Glitters

Add Up to 10% into Clear Epoxy (100mL/Lt). Dosage may increase or decrease to your desired effect

Glitters can be applied in two finishing types:

Full Broadcast: Apply 1Lt/sqm using squeegee followed by back rolling

Light Broadcast: Apply 1Lt/10sqm using roller

Glitter Usage: 10-100mL/sqm depending on Glitter density requirements.

Applications

Roller, Brush or Squeegee.

Dry Time at 25°C

| Parameter | Premium Tinted Epoxy (Basecoat) | UVthane or UVthane PLUS(Topcoat) |
|-----------------------|--|--|
| Pot Life: | 45 minutes at 25°C | 45 minutes at 25°C |
| Tack Free: | 2-3 hours | 2-3 hours |
| Thin Film Set: | 8 Hours (Minimum) Depending on temperature and humidity | 8 Hours (Minimum) Depending on temperature and humidity |
| Dry Cured: | 12-24 hours – Foot Traffic (depending on temperature and humidity) | 12-24 hours – Foot Traffic (depending on temperature and humidity) |
| Fully Cured: | 7 days (Vehicle Traffic) | 7 days (Vehicle Traffic) |
| Re-Coat: | Overnight (16Hours) | Overnight (16Hours) |

Clean Up

Thinner & Diluent (Blend of Solvents).

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”.

Components of the Kit

Basecoat Premium Tinted Epoxy:

Premium Tinted Epoxy 105PT is an industrial grade epoxy coating material for high performance. The product has various applications due to its excellent mechanical, chemical, electrical and adhesion properties to most substrates.

Two components (A & B) comes in tinted, 100% solid epoxy used as basecoat, primer or tinted finish surface, with chemical resistance and durability, ideal for variety of surface coating systems. Premium Tinted Epoxy 105PT is a high-quality solvent-less, odorless two component coating system for various surfaces such as timber, metal, concrete, laminate and stone, providing a tough clear film, high gloss and wet look to protect surface from stains, spills and wear. Premium Tinted Epoxy 105PT has been developed specifically for Australian conditions using the latest epoxy technology. It provides excellent protection against weathering conditions and the splash and spillage of a wide range of chemicals. Premium Tinted Epoxy 105PT provides a highly durable, chalk resistant, wear and chemical resistance surface. High quality epoxy coating system in many colours that is solvent free when used as coating or binder. The surface may be laid as a thin film using roller applicator. The thickness of the coating can be reduced by addition of Diluent. Modern, hygienic, functional and economical surface.

Glitters

Glitters are teeny, tiny bits of pretty plastic pieces and classified as Micro Plastic. Glitters are made of copolymer plastic or aluminum foil used in many cosmetic products, coating materials and graphic artworks. Environmentally benign and completely degradable. SHIMICOAT Glitters are Solvent Resistant, colour-fast and durable, ideal for commercial applications. SHIMICOAT Glitters can be used in many surface coating finishing systems such as Glitter benchtop, table, desks and floors (Full or Partial Broadcast). They can also be incorporated in Flake Systems, Metallic Coating Systems as well as Art and Craft applications. Glitters can also be used in conjunction with Glow-in-Dark (sunlight rechargeable) and other decorative materials.

Ultra Clear Topcoat Epoxy:

Ultra Clear EPOXY UC100 is an industrial grade epoxy coating material for high performance surfaces. The product has various applications due to its excellent mechanical, chemical, electrical and adhesion properties to most substrates.

Two components (A & B) comes in clear 100% solid epoxy used as clear topcoat with chemical resistance and durability, ideal for variety of surface coating systems. Ultra Clear EPOXY UC100 is a high-quality solvent-less, odorless two component coating system for variety of surfaces such as wood, metal, laminae, concrete and stone benchtop, providing a tough clear film, high gloss and wet look to protect surface from stains, spills and wear. Ultra Clear EPOXY UC100 has been developed specifically for Australian conditions using the latest epoxy technology. It provides excellent protection against weathering conditions and the splash and spillage of a wide range of chemicals. Ultra Clear EPOXY UC100 provides a highly durable, chalk resistant, wear and chemical resistance surface for benchtop surfaces. High quality topcoat epoxy coating system that is solvent free when used as a clear unpigmented coating or binder. The product can be tinted in all Australian Standard Colours. The surface may be laid as a thin film using roller applicator. The thickness of the coating can be reduced by addition of Diluent. Modern, hygienic, functional and economical surface.

UV Resistant Clear Polyurethane “UVthane”:

For outdoor applications, SHIMICOAT offers UVthane which is UV resistant Polyurethane Clear coating to be applied over Epoxy surfaces.

UVthane Clear is one of SHIMICOAT’s innovative products for topcoat applications over Epoxy, Flake, Flake or direct-on concrete or timber surfaces. The product is a high solid, Non-yellowing high build Two Pack Polyurethane specifically engineered to achieve a smooth, hardwearing surface for Flake Epoxy Coating, textured concrete, masonry, laminate and timber surfaces. It is an ideal choice for use in areas which require an extremely high build, hard protective coating with excellent UV resistance offering clarity and functionality. It produces a high gloss with excellent weathering properties and abrasion resistance. While the main purpose of SHIMICOAT UVthane Clear is to be used as clear topcoat, it can also be tinted in all Australian Standard colours for specialized applications. SHIMICOAT Polyurethane is widely used in marine services where high gloss UV resistant, salt tolerance, hardness and abrasion resistance are required.

Developed by SHIMICOAT R&D department, UVthane Clear is a high-performance resinous surface coating for industrial manufacturing environments, focusing on important properties required for a topcoat protective application.

As an outstanding protection for your valuable business assets, SHIMICOAT Crystal Clear Polyurethane offers all those properties you may require:

- Can be applied as thick as you wish without overheating problem (High Build Clear Resin)
- UV Resistant, so can be applied outdoor under direct sun and UV radiation
- Abrasive/scratch resistant when compared to MANY other surface coating materials
- Chemical resistant to harshest chemicals available in household
- Long lasting as it DOES NOT wear out
- Modern, Hygienic, Economical and Functional

For mining, oil & gas industries, agricultural machinery, plant and equipment, marine services or any other application where exceptional durability is crucial, this ultra-tough two-pack polyurethane direct gloss topcoat provides superior performance. The product retains excellent gloss and colour over a long term, keeping your valuable equipment surfaces looking great while enhancing the image of your business. Direct-on application and Ideal for most surfaces:

- Grey Concrete
- Exposed Aggregate
- Limestone
- Decorative Concrete
- Epoxy Flake Coating
- Tiles and all Pavers
- Timber Surfaces
- Metal Surfaces
- Laminate
- Polished Concrete
- Tools and Appliances
- Indoor and Outdoor

Creating a smooth impervious surface.

Specifications

Physical & Chemical properties of Glitters

| | |
|------------------------------------|--|
| Colour | Available in many colours, see Glitters Colours |
| Materials | Micro colourful plastic pieces, Decorative Materials |
| Packing Density | 0.5Kg/Lt |
| Solubility in Water | Insoluble |
| Solubility in Resin/Solvent | Insoluble |

Specific resistance properties of SHIMICOAT Glitters, in harsh chemicals.

| Media | Reagent | Rating |
|----------|------------------------------|--------|
| Acids | Hydrochloric Acid | A |
| | Sulphuric Acid | A |
| | Acetic Acid | A |
| | Nitric Acid (10% max) | A |
| | Phosphoric Acid (25% max) | A |
| Alkalis | Sodium Hydroxide | A |
| | Ammonium Hydroxide | A |
| | Potassium Hydroxide | A |
| | Sodium Hypochlorite (Bleach) | A |
| Solvents | Xylene | A |
| | Methyl Ethyl Ketone (MEK) | A |
| | Diesel | A |
| | Ethanol | A |
| | Acetone | A |
| | Kerosene | A |
| | Petrol | A |
| | Wine & Beer | A |

| Code | Resistance | Description |
|------|------------|---|
| A | Excellent | Suitable for Long term immersion |
| B | Good | Suitable for Short-term immersion (Max 3 days) |
| C | Caution | Very short contact time is OK, spill and splash |
| D | Danger | Not Recommended |

Indicative reference only. Tested in laboratory conditions at 25°C.

Resistance properties of SHIMICOAT Glitters in various media:

| | | | |
|-----------------------|---|---------------------------|--|
| Heat Resistant | <70°C – Melt at high Temp | Alkalis | Resist Short term immersion in all alkalis. |
| Solvents | Highly resistant to most hydrocarbon solvents and alcohols. | Salts & Brines | Resist continuous or long-term immersion in all Salts & Brine systems. |
| Acids | Resist splash and spills in all acids. | Water | Excellent resist to continuous or long term immersion in fresh & Salt Water. |

Direction

Glitters can be used as part of many surface finishing systems such as Full or Light Broadcast Epoxy Glitter System in many applications. It can be incorporated into Flake, Metallic, Glow in Dark as well as in Art and Craft applications. Glitters can also be used in conjunction with Glow-in-Dark (sunlight rechargeable) and other decorative materials.



Glitter Epoxy Countertop

An Installation Guide

Glitters can be used as part of many finishing systems such as Pure Glitter System. Following is a step by step guide to install Epoxy Glitter, using Shimicoat Products and Materials over Laminate, concrete, wood and metal surfaces.

Products and Materials

- Epoxy Repair Kit
- Basecoat Epoxy “Premium Tinted Epoxy in your choice of colour”
- Glitter in your choice of colour and design
- Ultra Clear Epoxy Topcoat (Indoor) or UVthane UV Resistant Polyurethane Clear Topcoat (Outdoor)
- Diluent / Thinner

Tools:

- Electric mixer or stick for missing resin
- Brush and Rollers
- Hair dryer or hot gun to perfect the surface

NOTE: The mix procedures below are indicative guidelines/suggested proportions only. Adjustments can be made based on your personal preference/application. Always use a test piece first.

Surface Preparations:

- Prepare the surface by sanding and removal of surface materials.
- Use Epoxy Repair kit as required to fill any cracks, holes or damages on the surface (if required).
- Ensure the surface is perfectly clean and free of oil and grease.
- Vacuum and/or blow out to remove dust from the surface.
- Tape all around the walls and cover all surfaces that you wish NOT to be epoxy coated.

NOTE: For further information on surface preparation, please refer to our brochure, website or contact Shimicoat technical representative.

Basecoat Application:

1. Mix basecoat epoxy. Premium Tinted Epoxy has a maximum of 40min Pot Lift, plan to complete your application within 30 minutes allowing a few minutes for unexpected situations.
2. Apply the basecoat epoxy to corners, edges first then the main surface.
3. Let it cure overnight 8-16 hours depending on temperature.

NOTE: Add Epoxy Diluent or Xylene up to 10% to thin the product, only if required for example in cold days and too viscous to apply.

Pour-On Epoxy Glitter Application:

1. When the surface is cured and touch-dried, plan to apply Glitter Topcoat.
2. Add Sparkling Glitter into your resin (Part A) at a rate of 10% (100g/Lt) or to your desired density.
3. If you are having two or more contrast effects, take out some small quantity of resin and prepare the colours accordingly.
4. When ready, add the correct quantity of Hardener / Curing Agent into the Glitter treated resin (Part A).
Now you are on the clock, DO NOT waste time, initiate application. You must be prepared for application. Apply the corners and edges using baby-roller or a brush, then the main surface. Pour the resin on the countertop, and use a notched squeegee, brush or a similar tool plus baby roller to spread-out the resin over the entire surface. Calculate to apply up to 1L per sqm.
5. Use your roller to go over the entire surface till you are happy with its appearance.
6. Clear the surface, wipe and clean all your tools.
7. You can use hot gun (hot air blower) or other devices to go over the surface and burst any bubbles forming. If you are using Xylene or any flammable liquid DO NOT apply any naked flame or hot air over the surface.
8. When application is complete and you are happy with the appearance of the finished surface, let it cure for a minimum of 8 hours, ideally overnight 16 hours.
9. No heavy objects or stretching appliances over the surface for 1 week. Treat it with care, especially during the first few days.
10. It may take a week or more till the Epoxy reaches its optimal hardness and strength.

NOTE: *Finished surface can vary greatly depending on method of application, skills of applicators and quantity of the glitters used.*

For further advise, please refer to our website or contact SHIMICOAT sales and technical representatives.



MATERIALS



CHEMICALS



RESINS



EQUIPMENT

Helpful Hints

- Ensure surface to be coated is dry, moisture can cause blooming and delamination.
- Pot life is approximately 45 minutes, work within 30min to ensure easy flow application.
- Use steady long strokes and avoid overworking the roller or pushing your roller too quickly as this may trap air bubbles in the coating.
- New concrete should be allowed to cure fully (at least 28days) before application.
- Keep the pail sealed when not in use. Avoid application on hot surfaces.

Drying Times

Premium Tinted Epoxy PT105 cures in 8-16 hours at 25°C. High temperatures and windy conditions may speed the curing time. High temperatures and windy conditions may speed the curing time. Keep heavy objects off the final coat for 7 days. Full hardness is achieved after 7 days.

| Temp °C | Pot Life (min) | Surface Dry (Hours) | Initial Cure (Hours) | Recoat Time (Hours) | Fully Cured (Days) |
|---------|----------------|---------------------|----------------------|---------------------|--------------------|
| 10°C | 45 | 12 | 24 | 24 | 7 Days |
| 20°C | 40 | 10 | 18 | 18 | 7 Days |
| 30°C | 35 | 8 | 16 | 16 | 7 Days |

WARNING

Avoid heavy objects till completely cured (7 Days).

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.