

RESIDENTIAL
& COMMERCIAL

INDUSTRIAL
& MARINE

ART
& CRAFT

SHIMICOAT
SURFACE SOLUTIONS



Pack Sizes

NO	Pack Size
1	200mL
2	1Lt

Description

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 floor finishing systems such as Glitter benchtop, table, desks and floors (Full or Partial Broadcast). They can also be incorporated in Flake Floor Systems, Metallic Flooring 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.

Features

- Widely used in epoxy, acrylic and many other resins
- Easily dispersible into clear Epoxy or UVthane
- Low dosage of only 1%-2%
- Easy roll, brush or pour-on application
- Many sparking colours
- Safe to use with no harm to human body



MATERIALS



CHEMICALS



RESINS



EQUIPMENT

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Colour Chart

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

Usage

Add Up to 10% into Clear Epoxy (100mL/Lt)

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

Light Broadcast: Apply 1Lt/10sqm using roller

Dosage may increase or decrease to your desired effect.

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

Applications

Cosmetics - Personal Care - Coating - Graphic Arts - Plastic

Add into Part A resin, mix well then add Part B (curing agent) into the resin. Apply to the surface in your desired method:

- Pour-On and squeegee to spread over the surface
- Roll-On using a Roller
- Brush-On using a Brush

Clean Up

The product is dusty, handle carefully and wipe off the surfaces once finished. Use thinner & Diluent (Blend of Solvents) to remove colour stains.

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"

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 flooring finishing systems such as Full or Partial Broadcast Epoxy Glitter System, Seamless Flooring, Flake Floor Finishing Systems, Metallic Flooring Systems 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 Floor

An Installation Guide

Glitters can be used as part of many flooring finishing systems such as Pure Glitter System, Seamless Flooring, Flake Finishing Floor Systems, Metallic Flooring Systems as well as in Art Works. Following is a step by step guide to install Epoxy Glitter Floor Finishing System using Shimicoat Products and Materials over concrete, wood and metal surface floor. Glitters can be used as part of many flooring finishing systems such as Pure Glitter System, Seamless Flooring, Flake Finishing Floor Systems, Metallic Flooring Systems as well as in Art Works.

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), UV Resistant Topcoat (Outdoor)
- Diluent / Thinner





Tools:

- Electric mixer or stick for mixing resin
- Brush and Rollers
- Extendable Handle / Pole
- Vacuum or blower to clean up the surface
- Spike shoes

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:

1. Prepare the floor by concrete grinding, surface sanding and removal of surface materials.
2. Use Epoxy Repair kit as required to fill any cracks, holes or damages on the surface.
3. Ensure the surface is perfectly clean and free of oil and grease. If grinder is unavailable, acid wash and make sure you wash, rinse and flush with detergent to neutralize the surface and remove all acid residue.
4. Vacuum and/or blow out to remove dust from the surface.
5. Tape all around the walls and cover all surfaces that you wish not to be epoxy coated.

 **MATERIALS**  **CHEMICALS**  **RESINS**  **EQUIPMENT**

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

Basecoat Application:

1. Mix basecoat epoxy in small portion that you can manage to apply. Premium Tinted Epoxy has a maximum of 40min Pot Lift, plan to complete your application within 30minuts allowing a few minutes for unexpected situations.
2. Ideally, we recommend mix 3Lt of Part A and 1Lt of Part B (4Lt blend) for one or two people working on a small double garage floor.
3. Apply the basecoat epoxy to corners, edges first then the main floor.
4. Let it cure. 2-3 hours for Fast Floor, 8-12 hours for normal curing epoxy.

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

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).
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).

- NOTE:** Now you are on the clock, DO NOT waste time, initiate appl ication. You must be prepared for application. One person applies the corners and edges using baby-roller or a brush and another person apply to the main floor. Pour the resin on the floor, and use a notched squeegee or a similar tool plus roller to spread-out the resin over the entire floor. Calculate to apply 1L per sqm.
5. Add the contract colours Glitters and back roll over the entire floor with spike shoes ON.
 6. Use your roller to go over the entire floor till you are happy with its appearance.
 7. Clear the floor, wipe and clean all your tools.
 8. Wear your spike shoes and take the masking tapes off the walls as it will be too hard to take off when cured.
 9. 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.
 10. When application is complete and you are happy with the appearance of the floor, let it cure for a minimum of 8 hours, ideally overnight 16 hours.
 11. No driving or stretching furniture over the floor for 1 week. Treat it with care, especially during the first few days.
 12. 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 one of SHIMICOAT sales and technical representatives.

WARNING

Keep out of reach of children
Read Safety Material Data Sheet (MSDS) of the product prior to use

Storage

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months

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.