

RESIDENTIAL  
& COMMERCIAL

INDUSTRIAL  
& MARINE

ART  
& CRAFT

**SHIMICOAT**  
SURFACE SOLUTIONS



# Epoxy Flakes Floor

## Complete Kit

### Kit Sizes

#### 15sqm Kit Contains

Product Description	Size	Code	Quantity
Premium Tinted Epoxy	4Lt	PT	1
Vinyl Flake	5Kg	VF	1
UVthane PLUS	4.6Lt	UP	1
EpoDil	1Lt	ED	1

#### 40sqm Kit Contains

Product Description	Size	Code	Quantity
Premium Tinted Epoxy	12Lt	PT	1
Vinyl Flake	5Kg	VF	2
UVthane PLUS	7Lt	UP	1
EpoDil	1Lt	ED	1

#### 60sqm Kit Contains

Product Description	Size	Code	Quantity
Premium Tinted Epoxy	16Lt	PT	1
Vinyl Flake	5Kg	VF	3
UVthane PLUS	4.6Lt	UP	2
EpoDil	1Lt	ED	2

#### 90sqm Kit Contains

Product Description	Size	Code	Quantity
Premium Tinted Epoxy	20Lt	PT	1
Vinyl Flake	5Kg	VF	4
UVthane PLUS	15Lt	UP	1
EpoDil	5Lt	ED	1

#### Flake Consumption:

SHIMICOAT recommends full broadcast Flake "to point of rejection", which is calculated to be 0.5Kg/sqm. Full broadcast results in some reusable excess recovered Flakes.



MATERIALS



CHEMICALS



RESINS



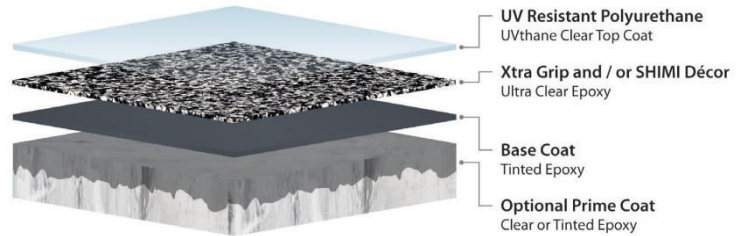
EQUIPMENT

## Description

SHIMICOAT Epoxy Flake Floor is a complete kit containing multi-Layer epoxy coatings of:

1. Premium Tinted Epoxy Prim Coat (Optional),
2. Premium Tinted Epoxy Base Coat,
3. Vinyl Flake Layer
4. UVthane Top Coat

SHIMICOAT Epoxy Flake Floor is a decorative, durable, seamless, hygienic and easy to maintain multi-layer coating solution. Engineered for Australian climate and ideally suitable for interior and exterior applications.



## Colour Chart

### Prime Coat & Base Coat Colours

Standard Colours:

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

SHIMICOAT offers all Australian Standard AS2700 Colours, consisting of 206 colours.

Please contact SHIMICOAT office for your custom design tint. Extra charges may apply.

## Flake Colours & Blended Designs

SHIMICOAT offers flakes in three design pattern and styles:

### Blended Flakes:

- |          |              |             |            |
|----------|--------------|-------------|------------|
| ▪ Domino | ▪ Outback    | ▪ Nightfall | ▪ Creekbed |
| ▪ Orbit  | ▪ Tidal Wave | ▪ Gravel    | ▪ Hog      |

### Hybrid Flakes:

- |              |          |
|--------------|----------|
| ▪ Jawbreaker | ▪ Juneau |
|--------------|----------|

### Marble Flakes:

- |          |          |          |
|----------|----------|----------|
| ▪ Basalt | ▪ Schist | ▪ Pumice |
|----------|----------|----------|

### Glitter Accented Flakes: 3% Holographic Glitters

- |                   |                      |                    |
|-------------------|----------------------|--------------------|
| ▪ Domino Glitter  | ▪ Tidal Wave Glitter | ▪ Creekbed Glitter |
| ▪ Orbit Glitter   | ▪ Nightfall Glitter  | ▪ Hog Glitter      |
| ▪ Outback Glitter | ▪ Gravel Glitter     |                    |
| ▪ Basalt Glitter  | ▪ Schist Glitter     | ▪ Pumice Glitter   |

Basecoat colour may have an effect on the shade of flake floor finished surface. Darker Basecoat may make the surface darker flake finish and lighter may assist the appearance of flake floor finish surface to be lighter.

If you like any colour that we may not show on our website or colour chart, simply provide us with something to match and we will produce any blend from any combination of coloured Flakes to your desire.

## Coverage

Each kit covers up to the specified concrete surface.

Please consider extra kit of Premium Tinted Epoxy for substandard and damaged concrete surfaces.

### Partial Broadcast:

One box of Flakes is enough for partial coverage of 20sqm or more / Partial Broadcast/Sparse (~1Kg/10sqm)

### Full Broadcast:

Typically, full broadcast Epoxy Flake Floor finishes may require 0.5Kg/sqm / Full Broadcast/Bodied (~5Kg/10sqm) (Dosage may increase or decrease depending on thickness of Epoxy coating applied).

Full broadcast application required scraping and removal of excess flakes and up to 40% recovery may be achieved.

Full broadcast application is recommended for professional installations.

## Applications

Roller, Brush or Squeegee.

## Dry Time at 25°C

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

Multilayer Flooring systems can be installed consecutively. Each coat can be applied soon after thin film set/dry cured and being accessible.

## 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".

## Description

### Multi-Layer Flake Floor Finishing System

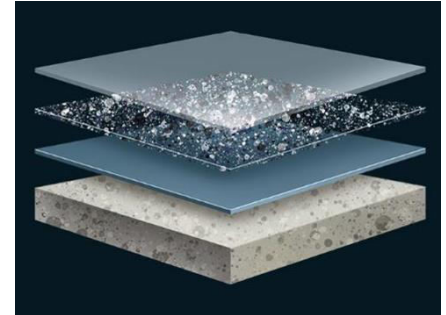
#### FLAKE FLOOR EPOXY COATING

DOMESTIC - COMMERCIAL – INDUSTRIAL

Garage Floors - Interior Surfaces – Processing Plants - Entertainment Areas

#### Premium Tinted Epoxy (Basecoat)

Premium Tinted Epoxy 105PT is an industrial grade epoxy coating material for high performance floors. 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 floor coating systems. Premium Tinted Epoxy 105PT is a high-quality solvent-less, odorless two component coating system for concrete surfaces such as driveways, pathways, workshops and warehouses 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 for concrete floors. High quality epoxy floor coating system in many colours that is solvent free when used as coating or binder. The product can be tinted in all Australian Standard Colours. Tinted Epoxy coating has specially developed to be incorporated with non-slip materials and a large number of decorative materials to provide your desired floor finishing system, with functionality and style. The surface may be laid as a thin film using roller applicator. The thickness of the coating can be reduced by addition of Diluent. Aggregates may be added to the surface (while wet) to create a non-slip flooring finish. Modern, hygienic, functional and economical surface.

#### Vinyl Flakes

Our Flakes also known as “flecks or paint chips” are ideally suitable for Australian climate and are used to enhance all types of residential, commercial, and industrial surfaces, from garages, alfresco and pool areas, utility rooms and basements, to high traffic corridors, restrooms, warehouses, and retail spaces.

Flakes composed of vinyl composite, resin materials, inorganic minerals, mica and various pigments. The product is compatible with most flooring systems such as Epoxy, Urethanes, Polyurea, Polyaspartic and Acrylate. The product is integrally pigmented and coloured with random in shapes and sizes to provide a natural and pleasant look in many design and appearances to match your décor.

When dry, Shimicoat Epoxy creates a seamless membrane, easy to maintain, easy to clean, Slip-Resistant, moisture barrier, resistant to abrasion, impacts and chemicals.

Shimicoat Flakes are:

- Custom design to match your décor
- Unlimited custom blending options
- Optimal flexibility and strength
- Colourfast, UV stable pigments
- Hide subsurface imperfection
- Easy to install
- Toughest and Fastest Floor Coating System
- Full or Partial Flake/Chip System with appearance of Granite, Marble or Terrazzo
- Easy to maintain
- Anti-Slip option and high abrasion resistant
- Available in Large (1/4”) and Small (1/16”) Chip sizes
- Decorative Chip Colours
- Renewable, sanitary and safe

### **Ultra Clear Epoxy (Topcoat)**

Ultra Clear EPOXY UC100 is an industrial grade epoxy coating material for high performance floors. 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 floor coating systems. Ultra Clear EPOXY UC100 is a high-quality solvent-less, odorless two component coating system for concrete surfaces such as driveways, pathways, workshops and warehouses 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 concrete floors. High quality topcoat epoxy floor 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. This coating has specially developed to be incorporated with non-slip materials and a large number of decorative materials to provide a floor finishing system, with functionality and style. The surface may be laid as a thin film using roller applicator. The thickness of the coating can be reduced by addition of Diluent. Aggregates may be added to the blend to create a non-slip flooring finish. Guaranteed modern, hygienic, functional and economical surface.

### **UVthane or UVthane PLUS; UV Resistant Polyurethane (Topcoat)**

UVthane Clear is one of SHIMICOAT's innovative products for topcoat applications over Epoxy, Flake, Metallic or direct on concrete or timber surfaces. The product is a high solid and high build Two Pack Polyurethane specifically engineered to achieve a smooth, hardwearing surface for Flake flooring, 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 industry, 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 and floors 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 Floors topcoat
- Tiles and all Pavers
- Timber Surfaces
- Metal Surfaces
- Laminate
- Polished Concrete
- Tools and Appliances
- Indoor and Outdoor

Creating a smooth impervious surface

## UVthane PLUS - Features

UVthane PLUS is in two parts A and B that you can open and use as you need and store the rest with shelf life of over 24 months. No matter how often you open the lid, it does not react with atmospheric moisture, so integrity of the product remains intact for its shelf-life, a few selected features of UVthane PLUS are:

- Easy Application:
  - Rolled
  - Brushed
  - Squeegee
- Non-Hazardous – Non-Dangerous Goods technology
- Odoules
- High solid, solvent-free, highly reactive two-component protective coating
- Water Clarity and high transparency
- Impervious finish surface
- Good weather resistance, friction resistance and compression resistance
- Hardwearing finish surface
- Bond well with good permeability into the substrate
- Excellent adhesion to substrates such as concrete, ceramic tiles, wood, metal and even glass surfaces
- Excellent waterproof and anticorrosive properties
- Ideally suitable for waterproofing repairs on concrete and tiles indoor and outdoor
- Ideally suitable for under direct sunlight with extreme UV radiation
- Excellent mark and scuff resistance
- Excellent anti-graffiti coating
- Excellent resistance to oil and most household chemicals
- Excellent chemical resistance
- Excellent resistance to water
- Excellent resistance to alkalis and high pH conditions
- Ideal for Indoor and Outdoor
- Ready-to-use formulation without any need for dilution
- Advanced polymer technology to penetrate deep with high build properties
- Protect against waterborne contaminates
- Protect against salt ion ingress
- Protect against efflorescence, biological growth
- Produces a hard, crystal clear film
- Excellent resistance to weathering
- Long lasting and Durable
- Excellent adhesion
- Tintable in all Australian Standard Colours
- Forms a hard-wearing surface
- Very durable coating
- Good dry and through cure Easily Recoated
- Compatible with decorative and slip resistant coating materials
- Ideally suitable for both Indoor & Outdoor
- Economical

### Ultra Clear Epoxy (Topcoat) – ONLY for Indoor out of direct Sun

Ultra Clear EPOXY UC100 is an industrial grade epoxy coating material for high performance floors. 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 floor coating systems. Ultra Clear EPOXY UC100 is a high-quality solvent-less, odorless two component coating system for concrete surfaces such as driveways, pathways, workshops and warehouses 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 concrete floors. High quality topcoat epoxy floor 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. This coating has specially developed to be incorporated with non-slip materials and a large number of decorative materials to provide a floor finishing system, with functionality and style. The surface may be laid as a thin film using roller applicator. The thickness of the coating can be reduced by addition of Diluent. Aggregates may be added to the blend to create a non-slip flooring finish. Modern, hygienic, functional and economical surface

**NOTE:** SHIMICOAT recommends UVthane or UVthane PLUS for topcoat applications due to superior scratch resistance when compared to Epoxy products.

## Features

- Decorative & modern
- Seamless and hygienic
- Functional & easy to clean
- Moisture barrier
- Unlimited colors and blends
- Customizable
- Flat surface / thin profile
- Fire resistant
- Resistant to UV degradation
- Economical
- Increased asset value
- Environmentally benign

When dry, Shimicoat Epoxy creates a seamless membrane, easy to maintain, easy to clean, SlipRes, moisture barrier, highly resistant to abrasion, impacts and chemicals.

## Specifications

Physical & Chemical properties of Tinted Epoxy Premium 105TP:

<b>Pot Life @25°C</b>	45min
<b>Colour of Blend</b>	Available in All Australian Standard AS 2700 Colours
<b>Specific Gravity (SG) of Blend</b>	1.4 or less Due to presence of SlipRes Materials
<b>Low Profile Coverage (Kg/sqm)</b>	Roller Application (200micron) - 0.2Kg of Blend per sqm
<b>Maximum Temperature Surface Exposure (°C)</b>	140
<b>Initial Cure Time (Hours)</b>	24Hours
<b>Ultimate Cure Time (Days)</b>	7 Days

Specific resistance properties of Tinted Epoxy Premium 105TP, in harsh chemicals:

Media	Reagent	Rating
Acids	Hydrochloric Acid	B
	Sulphuric Acid	C
	Acetic Acid	B
	Nitric Acid (10% max)	C
	Phosphoric Acid (25% max)	B
Alkalis	Sodium Hydroxide	B
	Ammonium Hydroxide	A
	Potassium Hydroxide	B
	Sodium Hypochlorite (Bleach)	A
Solvents	Xylene	A
	Methyl Ethyl Ketone (MEK)	C
	Diesel	A
	Ethanol	A
	Acetone	B
	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 Tinted Epoxy Premium 105TP:

<b>Heat Resistant</b>	140°C	<b>Alkalis</b>	Resist Short term immersion in all alkalis.
<b>Weather Proofing</b>	All Epoxy Coatings may yellow with time. Weatherproof top coat may be used if required.	<b>Salts &amp; Brines</b>	Resist continuous or long-term immersion in all Salts & Brine systems.
<b>Solvents</b>	Resistant to most hydrocarbon solvents and alcohols.	<b>Water</b>	Excellent resist to continuous or long term immersion in fresh & Salt Water.
<b>Acids</b>	Resist splash and spills in all acids.	<b>Abrasion</b>	Excellent when fully cured (7 Days)



## Direction

### *Easy Four Step application:*

- Surface Preparation
- Basecoat Application
- Full or Partial Flake Broadcast
- Ultra-Clear, High Impact, UV Resistant Topcoat

Shimicoat offers complementary training for DIY Epoxy Floor Installation.

### Where to install:

- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>▪ Domestic</li> <li>▪ Commercial</li> <li>▪ Garage Floor</li> <li>▪ Patios &amp; Verandas</li> <li>▪ Driveways</li> <li>▪ Interior Surfaces</li> <li>▪ Residential Interiors</li> <li>▪ Rental Properties</li> </ul> | <ul style="list-style-type: none"> <li>▪ Entertainment and Pool Area</li> <li>▪ Retail Shops</li> <li>▪ Indoor &amp; Outdoor</li> <li>▪ Pool Surrounds</li> <li>▪ Showrooms</li> <li>▪ Amenities</li> <li>▪ Education Facilities</li> </ul> | <ul style="list-style-type: none"> <li>▪ Common Areas</li> <li>▪ Shopping Centres</li> <li>▪ Medical Clinics</li> <li>▪ Hospitals</li> <li>▪ Veterinary Clinics</li> <li>▪ Food processing plants</li> <li>▪ Any surface that you wish to last</li> </ul> |
|---|---|---|

Additives such as Shimicoat Xtra Grip SlipRes or Glass Shard can be added to the Epoxy system to achieve Australian standards and slip resistance requirements.

Traditionally Flake systems are known for their application in garages and school amenities however in recent years Shimicoat offering contemporary colour range in Flake to suite many surfaces in both indoors and outdoors.

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>▪ Durability</li> <li>▪ Easy cleaning feature, Easy Mop, Easy Wipe</li> </ul> | <ul style="list-style-type: none"> <li>▪ Enhanced Mechanical and chemical resistant properties</li> <li>▪ Fire resistant properties</li> </ul> |
|--|--|

# Epoxy Flake

## Floor Finishing System / *An Installation Guide*

Following is a step by step guide to install Epoxy Flake Floor Finishing System using Shimicoat Products and Materials over concrete surface floor.

### Products and Materials

- Premium Tinted Epoxy, “Epoxy Resin/Part A and Curing Agent/Hardener/Part B”
- Ultra Clear Epoxy – Topcoat (UC100) Part A and Part B
- Flakes

### Tools:

- Roller, sleeves and Brush
- Extendable Handle / Pole
- Tray – Large 480mm
- Grinder Machines
- Vacuum or blower
- Spike shoes
- Spike roller

## Installation:

### Surface Preparations:

1. Prepare the floor by concrete grinding and removal of surface materials. 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.
2. Vacuum and/or blow out to remove dust from the surface.
3. Tape all around the walls and surfaces not to be epoxy coated.

### Basecoat Application:

1. Add your desired Tint/Liquid Pigment (basecoat colour) into your Epoxy Resin (105A) Basecoat – **Part A**, and mix well using drill mixer or a stick. If your product is pre-tinted by supplier, just mix it for a few minutes to homogenize the resin.
2. If you need to dilute, add Epoxy Diluent or Xylene up to 5% to thin the product, only in the first coat, and mix well.

**NOTE:** DO NOT count the Diluent, Pigments or other additives as Part A, for example if you have 2Kg of Part A, add 1Kg of Part B, regardless of the quantity of other additives uses.

3. Prepare your tray, roller, Brush, handle and other application gears and when ready for application: Add Part B (Curing Agent / Hardener) into the resin and mix for 2-3 minutes using drill mixer or stick.

**Note:** You are now on the clock, the pot-lift of the product is 15-30min (15 for fast cure/30 for normal cure). Do not waste time and focus on applying the product to the surface. One person doing the corners and cuttings and one person the main floor.

4. While you are applying Premium Tinted Epoxy over the surface, someone else broadcasting flakes over the tinted surface progressively. Make sure every square inch of the floor is covered uniformly with flakes.
5. Monitor the floor to ensure flakes are broadcasted evenly and uniformly.

***Poor surface prep or incorrect application may cause bubbling and non-uniformity of the surface. Spend AT LEAST one hour after application monitoring and ensuring its great look.***

6. 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.
7. Put-on your spike shoes and take the masking tapes off the walls as it will be too hard to take off when cured.
8. Let it cure for a minimum of 8 hours, ideally overnight.

### Bubbles & Cure

As the curing process begins you may notice the accumulation of air bubbles at the top and around the edges of your resin or epoxy, especially where the surface is super porous and not primed properly. This is a normal result of the reaction occurring between the resin and the hardener. To remedy bubble issue, we recommend using spike roller, go over the surface as it is curing. The blow will pop the bubbles, giving you a smooth unblemished surface.

**Topcoat Application:**

1. When the surface is dry and fully cured, plan to apply Ultra Clear Epoxy Topcoat.

**NOTE:** Ultra Clear Epoxy Topcoat enhances the scratch and chemical resistance of the surface. For residential applications, probably you can get away without Ultra Clear Topcoat Epoxy (100UC). Alternatively, you can use Polyurethane UV resistant topcoat or Acrylic Sealer.

2. Add the correct quantity of Ultra Clear Epoxy Hardener / Curing Agent (100B) into the correct quantity of Part A, Resin. For example, if using 100UC3, pour 2Kg of Resin – Part A (100B2) into a bucket, add 1Kg of Hardener/Part B (100B1) into the resin, mix for 2-3 minutes using Drill Mixer or stick.

**NOTE:** Now you are on the clock, DO NOT waste time, initiate application. 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. If you are slow, pour the resin on the floor, to slow down the curing process. Apply and roll evenly.

3. When, you are happy with the topcoat, take the masking tapes off the walls as it will be too hard to take off when cured.

4. Clear the floor, wipe and clean all your tools.

5. Let it cure over-night (16 hours). It is trafficable after 16 hours.

6. No driving or stretching furniture over the floor for 2 weeks. Treat it with care, especially during the first few days.

7. It may take a couple of weeks till the Epoxy reaches its optimal hardness and strength.

Please view our Youtube Epoxy Flake Floor Installation:

[https://www.youtube.com/watch?v=yFzv5Mqb\\_5w](https://www.youtube.com/watch?v=yFzv5Mqb_5w)

End of Procedure.

## Coverage

This kit covers as specified.

# Flake Coverage

Full Broadcast/Bodied:	A box of 5Kg/10sqm approximately (0.5Kg/sqm)
Partial Broadcast/Sparse:	A box of 5Kg for a standard 40sqm double garage (this may vary depending on your design & flake density), approximately

*Quantities are best approximate as guide.*

**Mixing:**

Mix thoroughly for a minimum 3 minutes manual or with mechanical mixer at low speed (750rpm Max) to ensure SlipRes materials are suspended into the epoxy matrix.

If mixing smaller portions, mix at a ratio of 3A:1B by volume. For example, to prepare 2Kg mix, add 500mL of Part B (Hardener or Curing Agent) into 1.5Lt of Part A (Resin).

- 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.
- Do not apply if the rain is expected within 24 hours of application.
- 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. Keep foot traffic off the final coat for at least 16 hours and vehicles for at least 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

- Heavy vehicles with hot tires may cause damage on driveway. Avoid driving over the new coated floors till completely cured (7 Days). For parking the car, place a mat under each tire during the first few weeks to ensure longevity of your new floor.
- Do not apply Premium Tinted Epoxy PT105, if the concrete has a patchy appearance as moisture may be present. Dry Test prior to application.
- Direct sunlight and UV radiation may result in chalking, colour variations and yellowing effect over time. UV resistance topcoat shall be used.

### 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.*