

Epoxy Metallic Floor

Decorative Metallic Epoxy Flooring System



TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION & INTENDED USE

Shimicoat Epoxy Metallic Floor creates a striking three-dimensional, marbled metallic effect using mica pigments suspended in a metallic glaze clear epoxy over a tinted base. Seamless, durable and decorative.

The system is built up in the following layers:

- Premium Tinted Epoxy base coat
- Metallic Glaze Clear Epoxy with mica pigments
- Clear top coat (recommended)

2. KIT CONTENTS & COVERAGE

Each kit covers up to 50 m². Consider an extra base-coat kit for substandard or damaged concrete surfaces.

Product Description	Size	Code	Qty
Premium Tinted Epoxy	20Lt	PT	1
Metallic Glaze Clear Epoxy	30Lt	MG	2
Mica Pigments	150gr	MP	2
EpoDil	1Lt	ED	1

3. KEY FEATURES & BENEFITS

- Decorative and modern, seamless and hygienic finish
- Easy to clean - easy mop, easy wipe
- Moisture barrier; highly resistant to abrasion, impacts and chemicals
- Glossy, hard-wearing protective finish
- Three-dimensional metallic, marbled designer effect
- Engineered for Australian conditions; interior and exterior use

4. RECOMMENDED SUBSTRATES & APPLICATIONS

Substrates: Concrete and prepared cementitious floors.

Applications: Showrooms, retail, offices, feature floors and high-end residential interiors.

Applied by: Roller, brush or squeegee.

5. COLOUR CHART

Standard prime / base coat colours:

Colour	Code	Colour	Code
White	N14	Cream	Y34
Black	N61	Terracotta	R52
Neutral Grey	N23	Bright Blue	B23
Dark Grey	N64	Dark Brown	X65

Shimicoat offers all Australian Standard AS 2700 colours (206 colours). Contact the Shimicoat office for custom design tints; extra charges may apply.

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6. TECHNICAL PROPERTIES

Property	Value
Solids content	100% solid (solvent-less)
Specific gravity of blend	1.4 or less
Maximum surface temperature exposure	140 °C
Finish / gloss	High gloss
VOC	Resins contain NIL, EpoDil contains 75% VOC

Dry Time at 25 °C

Parameter	Base / Body Coat	Clear Top Coat
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)	8 hours (minimum)
Dry cured (foot traffic)	12-24 hours	12-24 hours
Fully cured (vehicle traffic)	7 days	7 days
Re-coat	Overnight (16 hours)	Overnight (16 hours)

Multi-coat systems can be installed consecutively once the previous coat has reached thin-film set / dry cure and is accessible. Times vary with temperature, humidity and film thickness.

7. SURFACE PREPARATION

Apply only to a clean, dry surface free of dirt, grease, oil, paint, curing agents and other contaminants.

- Grind the concrete to maximise adhesion, or acid-wash to open porosity then wash, rinse and flush to neutralise.
- Run a dry test: tape a plastic sheet over a small area for 1 hour; if no moisture appears, the slab is sufficiently dry.
- Remove all loose material, then vacuum and/or blow out all dust.

Note: New concrete must cure fully (minimum 28 days) before application.

8. MIXING

- Combine the components in accordance with the product label and mix for a minimum of 3 minutes with a slow-speed drill mixer.
- Scrape the sides and base of the container so no unmixed material remains; mix until uniform and free of streaks.
- EpoDil may be added to thin the first coat if required (e.g. on cold days).
- Mix only the quantity that can be applied within the pot life.

9. CLEANING OF TOOLS

- Clean tools and uncured spills with thinner & diluent (blend of solvents).
- In service the seamless surface is easy to maintain - easy mop and easy wipe.

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10. HEALTH, SAFETY & HANDLING

- Storage: store out of direct sunlight and heat at all times.
- Shelf life: 24 months (epoxy components). Keep pails sealed when not in use.
- A Material Safety Data Sheet (SDS) is available from Shimicoat on request.

TO CONFIRM - PPE specification, hazard classification and exact shelf life of all components are not itemised here - refer to the SDS.

11. LIMITATIONS & IMPORTANT NOTES

- Epoxy coatings may yellow in direct sun; use a UV-resistant top coat outdoors to prevent chalking and colour change.
- Do not apply over a patchy (possibly damp) slab - always run the dry test first.
- Do not apply if rain is expected within 24 hours; avoid hot surfaces and direct sun.
- Keep foot traffic off for at least 16 hours and vehicles off for 7 days; avoid dragging furniture for ~2 weeks.

12. CONTACT DETAILS & DISCLAIMER

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Source: Shimicoat product data and shimi.com.au (current product pages take precedence). Kit composition per the 2026 single-kit schedule.