

CORCHEM Clear Epoxy for METAL High Performance Industrial Floor Coating

CORCHEM Clear Epoxy METAL is a premium-grade, 100% solids, solvent-free epoxy coating system designed for superior durability and chemical resistance in a variety of environments. Supplied as a two-component kit (Part A Resin & Part B Curative), it provides a clear, high-gloss, wet-look finish ideal for residential, commercial, and industrial METAL floors.

Applications:

- Residential garages & homes
- Commercial showrooms
- Kitchen, Bars & Restaurants
- Warehouses & workshops
- Decorative flake flooring systems
- Non-slip and flood coat systems

Key Features:

- Solvent-free & Odorless:** Ideal for indoor use; environmentally safer
- Chemical & Wear Resistant:** Suitable for vehicular and pedestrian traffic
- Versatile Finish Options:** Clear or pigmented; supports non-slip or decorative flakes
- Durable Protection:** Withstands stains, spills, weathering, and chemical splashes
- Glossy Appearance:** Provides a seamless, modern, high-gloss surface
- Tintable:** Available in Australian Standard Colours
- DIY Friendly:** Easy to apply using a roller or as a flood coat
- Functional Design:** Hygienic, economical, and easy to maintain
- Water Resistant:** Engineered for harsh Australian conditions
- Chalk Resistant:** Ideal for Australian Climates

Customisation:

- Compatible with SHIMI Flake Flooring System
- Suitable for incorporation with graded aggregates for anti-slip functionality
- Can be diluted with *Diluent* for thinner coats or used thick for mirror-gloss finish
- Ideally suitable for Epoxy Metallic Marbleized floor finishing system

Packaging:

- Supplied as a two-pack kit (Part A & B)
- Optional components: pigment, flakes, decorative materials, and non-slip additives

PRODUCT PACKAGING

CORCHEM CLEAR is conveniently supplied as a two-part clear kit, consisting of:

- Component A – Resin
- Component B – Curative

Each kit is pre-weighed and proportioned, ensuring ease of use and accuracy for on-site application.

Kit Sizes (Vol)	Mix Ratios
750mL	2A:1B (0.5Lt A + 0.25Lt B)
1.5L	2A:1B (1Lt A + 0.5Lt B)
3L	2A:1B (2Lt A + 1Lt B)
6L	2A:1B (4Lt A + 2Lt B)
15L	2A:1B (10Lt A + 5Lt B)
30L	2A:1B (20Lt A + 10Lt B)

COVERAGE

Standard Coverage:

Approximately 5 m² per litre per coat, depending on surface porosity and texture. First coat generally consumes more material due to absorption and surface roughness. Second coat typically requires less for full coverage.

Pour-On applications or metallic effects:

Apply at least 1 Litre per m² to achieve a 1000-micron (1mm) thick layer. Ideal for creating glass-like, self-levelling finishes.

MIXING & APPLICATION

Mixing Procedure:

- Use a slow-speed mechanical mixer to ensure a controlled and thorough blend.
- Gradually add Component B (curative) while continuing to mix.
- Mix until the blend is homogeneous and free from lumps (2min).

Application Guidelines:

- Pour the mixed product directly over the surface.
- Use a squeegee to spread out to assist with self-levelling.
- Using a medium nap roller, apply the product evenly to the substrate.
- Finish off the surface uniformly, ensuring there are no puddles, streaks, or roller trails.

For Thin Coat Applications of 100 microns, CORCHEM CLEAR Diluent may be added to adjust consistency.

Dilute up to 10% by volume. Use Roller, Brush or Squeegee.

Where to Apply:

- Industrial/Commercial Areas
- Vehicle Workshops
- Swimming Pools
- Pharmaceutical Industries
- Hospitals
- Amenity Blocks
- Food Processing Facilities
- Recreational Facilities
- Dairy Industries
- Warehouse Flooring
- Healthcare & Cleanrooms
- Loading Docks
- Laundries
- Steelwork Coating
- Long-term repairs to oil or water-exposed surfaces

NON-SLIP FINISH APPLICATION

Variety of slip resistant materials can be used to achieve your desired Slip Resistant Floor finishing system:

Broadcast (Silica Sand / Quarts / ALOX / GLASS BEAD)

Full broadcast the grits over the entire wet surface.

Broadcast within 30 minutes of rolling down the CORCHEM CLEAR base product.

Ensure the product is fully blinded out (completely covered)

Curing

Allow the floor to cure for 8–12 hours.

After curing, carefully sweep off all loose, unbound sand.

Remove loose sand completely

Seal Coat / Topcoat Shield

Apply a final thin coat of CORCHEM CLEAR over the surface.

This coat locks in the Slip Resistant grit and provides an even appearance.

SHIMICOAT recommend above Broadcast Slip Resistant as the most uniform method of application.

Add into Resin:

Polypropylene Grit - Single Size of Medium

Add Non-Slip Additive into the resin, mix and apply.

Add a small amount of Diluent if needed for consistency.

Occasionally stir the mixture during application to prevent the additive from settling.

CUREING PROCESS

Cure time may vary depending on several factors:

- Application thickness
- Amount of material applied
- Surface temperature
- Product temperature

To Accelerate Cure:

- Warm the product before mixing, or
- Allow mixed material to stand for 15 minutes prior to application.

To Slow Cure:

- Cool the product before mixing.

Temp °C	Pot Life (min)	Surface Dry (Hours)	Initial Cure (Hours)	Recoat Time (Hours)	Fully Cured (Days)
10°C	30	10	16	16	7 Days
20°C	20	8	12	12	7 Days
30°C	15	6	8	8	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.

Combating Corrosion in Harsh Environments with SHIMICOAT

Marine and Offshore harsh environments are inherently corrosive. Continuous exposure to wet, harsh atmospheres—especially in splash zones and underwater areas, combined with erosive forces from waves and floating debris, accelerates the degradation of equipment and structural components. If left untreated, corrosion can lead to severe structural damage, leaks, ruptures, costly downtime, and significant environmental risks.

SHIMICOAT In-Situ Protection & Repair Systems

SHIMICOAT offers innovative in-situ solutions specifically designed for many industrial and commercial surfaces. These systems require minimal surface preparation and are engineered to perform in some of the most challenging marine environments.

In addition to our comprehensive product range, SHIMICOAT provides surface-tolerant technologies that are highly effective even on wet, oily, or sweating substrates. These products are engineered for exceptional adhesion to steel, regardless of immersion conditions.

Why Choose SHIMICOAT?

- Cures to Perfection
- No hot work required
- Minimal surface preparation
- Strong adhesion to steel / METAL
- Long-lasting, permanent protection
- Proven performance globally

SHIMICOAT's surface-tolerant repair systems reduce maintenance costs and extend the life of your assets—above water, in splash zones, and underwater.

Get in Touch

For more information on SHIMICOAT's industrial solutions, contact your local SHIMICOAT representative today.

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.