Chemical-Tank Lining

Multipurpose Solventless Epoxy Coating System
A premium-grade, solventless epoxy system engineered for superior colour retention, chalk resistance, and abrasion resistance. This versatile coating is widely trusted across general industrial applications for surfaces such as concrete, timber, and steel, particularly in factories, warehouses, and workshops.

Key Features:

- Solventless formulation for safer application and reduced environmental impact
- Exceptional resistance to chalking and color fading
- High durability under mechanical wear
- Excellent adhesion to a variety of substrates

Application Options:

- Thin Film Coating: Applied as a roll-down finish with adjustable thickness. Thickness control is achieved through the addition of a Diluent.
- Safety Flooring: Incorporate aggregates to produce a non-slip, profiled surface, ideal for industrial safety compliance.
- Light Non-Slip Finish: For areas requiring minimal texture, Epigen Non Slip Additive is recommended to achieve a fine, anti-slip surface.

Typical Uses:

- Concrete floor coating in industrial environments
- Protective layer for timber and steel structures
- Decorative and functional flooring in commercial and light manufacturing spaces

Technical Specifications:

Mix Ratios	3A:1B (Volume) or 4A:1B (Weight) *For Example: 3Lt of A (4Kg) & 1Lt of B (1Kg) /Apply within 30min*
Pot Life @25°C	30min
Colour of Blend	Available in All Australian Standard AS 2700 Colours
Specific Gravity (SG) of Blend	1.4
Coverage	1Lt/3-5sqm Per Coat – Allow 1Lt/3sqm for Two Coats
Low Profile Coverage (Kg/sqm)	Roller Application (200micron) - 0.2Kg of Blend per sqm
Maximum Temperature Surface Exposure (°C)	140
Initial Cure Time (Hours)	24Hours
Ultimate Cure Time (Days)	7 Days
Compressive strength (ASTM D 695-85)	>70
Tensile strength (ASTM D 638-86)	>15
Flexural strength (ASTM D 790-86)	>15
Hardness shore D (ASTM D2240-86)	>81
Abrasion Resistance (ASTM D4060-90)	0.056 g/1000 cycle
Shelf Life	12 months (unopened, cool dry storage)

Key Benefits:

- Two-component system: Requires easy 4A:1B mixing of resin and hardener.
- Excellent adhesion to metallic & non-metallic surfaces such as timber and concrete
- No shrinkage or expansion
- Prevents galvanic corrosion
- Solvent-free = safer handling
- Chemical Resistance
  Trafficable within 24 hours, minimizing downtime.
- Zero VOC – Solvent-Free
  High Mechanical Strength
  Versatile and Multipurpose Applications
- Cold-Temperature Curing (Take Longer Time)
  Cures reliably even in cold and adverse conditions.
- Customizable Slip Resistance
  Extensive Colour Range
- No hot work required

Product Packaging & Colour Options

SupaCure is conveniently supplied as a two-part kit, consisting of:

- Component A – Pre-Tinted Resin
- Component B – Curative

Each kit is pre-tinted to your choice of colour, pre-weighed and proportioned, ensuring ease of use and accuracy for on-site application. This streamlined packaging eliminates the need for measuring, helping reduce errors and preparation time.

Colour Selection:

SupaCure is pre-tinted using the Australian Standard AS 2700 colour chart, offering a wide range of colour options. Extensive testing confirms that individual kit tinting produces minimal colour variation, ensuring a consistent and professional finish across applications.

Applications:

- Industrial/Commercial Areas
- Vehicle Workshops
- Swimming Pools
- Pharmaceutical Industries
- 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

Mixing & Application Instructions

Mixing Procedure:

1. Use a slow-speed mechanical mixer to ensure a controlled and thorough blend.
2. Gradually add Component B (curative) while continuing to mix.
3. 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, SupaCure Diluent may be added to adjust consistency. Dilute up to 10% by volume.

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 SupaCure 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 SupaCure 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 unform 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	45	12	24	24	7 Days
20°C	40	10	18	18	7 Days
30°C	35	8	16	16	7 Days

Combatting 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 / Concrete
- 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.

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.