

Chemical Resistant Clear Epoxy

Shimicoat Product - Technical Data Sheet



TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION

Shimicoat Chemical Resistant Clear Epoxy is a clear shield coat for harsh chemical environments. It is a 100% solid epoxy resin with excellent mechanical, chemical and adhesion properties to most substrates, developed for Australian conditions. It is solvent-free as a clear coating or binder and can be tinted and incorporated with decorative or non-slip materials.

Product code: CR

2. TYPICAL USES

Suitable for: a clear shield coat for harsh chemical environments.

3. KEY FEATURES & BENEFITS

- Crystal-clear, 100% solid and solvent-free
- Excellent adhesion, hardness and chemical resistance
- Use as a seal / build coat or decorative binder
- Can be tinted and used with flake, quartz, glitter or metallic

4. TECHNICAL PROPERTIES

Property	Value
Solids content	100% solid (solvent-less)
Specific gravity	approx. 1.4
Pot life @ 25 °C	45 minutes
Re-coat	Overnight (16 hours)
Full cure	7 days
Maximum surface temperature	140 °C
UV stability	May yellow in direct sun - topcoat for UV
VOC	not published by manufacturer

Note: Cure times vary with temperature, humidity and film thickness. Mixing ratio is shown on the product label.

5. SURFACE PREPARATION

Apply only to a clean, dry, sound surface free of dust, grease, oil and contaminants. Grind or etch concrete to a key and run a dry test before coating.

6. MIXING & APPLICATION

- Mix the components per the product label for a minimum of 3 minutes with a slow-speed mixer.
- Apply by roller, brush or squeegee within the pot life; maintain a wet edge.
- EpoDil may be added to thin the product where the label permits.

7. CLEANING

- Clean tools and uncured spills with thinner & diluent (EpoDil).

8. HEALTH, SAFETY & HANDLING

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- Store out of direct sunlight and heat. Keep containers sealed.
- A Material Safety Data Sheet (SDS) is available from Shimicoat on request.

TO CONFIRM - PPE, hazard classification and shelf life are not itemised here - refer to the SDS.

9. CONTACT DETAILS & DISCLAIMER

SHIMICOAT Pty Ltd

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Disclaimer: Information herein is guidance only, based on present knowledge and experience. As use is beyond the seller's control, the product is sold without guarantees; the purchaser must conduct its own tests for suitability. Shimicoat Pty Ltd accepts no liability beyond replacement of defective product.

Source: shimi.com.au product pages (current site takes precedence).