

Pond Epoxy Ice Bath Liner

Industrial-Grade Waterproof Epoxy Liner for Cold Plunge, Ice Baths & Ponds



TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION & INTENDED USE

Pond Epoxy / Ice Bath Liner is a complete kit containing a tinted two-pack epoxy in your chosen colour, formulated to protect and seal concrete, tile, fibreglass, aluminium and other metal surfaces with a tough, scratch-resistant finish. Industrial-grade, solvent-free, fish- and plant-safe, it cures underwater and is engineered for Australian conditions.

2. KIT CONTENTS & COVERAGE

Each kit covers up to a 500 L cold plunge / ice bath. Consider an extra base-coat kit for substandard or damaged concrete surfaces.

Small Kit - up to 500 L cold plunge / ice bath (single coat)

Product Description	Size	Code	Qty
Pond Epoxy / Ice Bath Liner	2 Lt	CP	1

Large Kit - up to 500 L cold plunge / ice bath (double coats)

Product Description	Size	Code	Qty
Pond Epoxy / Ice Bath Liner	4 Lt	CP	1

3. KEY FEATURES & BENEFITS

- Durable, waterproof coating for pools and water features
- Smooth, hygienic and easy-to-clean finish
- UV-stable, colourfast top coat
- Resistant to pool chemicals

4. RECOMMENDED SUBSTRATES & APPLICATIONS

Substrates: Concrete and prepared cementitious floors.

Applications: Cold plunge and ice baths, ponds, water features, fountains, birdbaths, aquariums and waterfalls.

Applied by: Roller, brush or squeegee (minimum two coats).

5. COLOUR CHART

Pond Epoxy standard colours (also available clear):

Colour	Code	Colour	Code
White	N14	Cream	Y34
Bright Blue	B23	Terracotta	R52
Pale Blue	B35	Strawberry	R24
Bluebell	B41	Rose Pink	R25
Sky Blue	B45	Dark Brown	X65
Opaline	G32	Black	N61
Neutral Grey	N23	Dark Grey	N64

Also available in all Australian Standard AS 2700 colours (206). Contact the office for custom tints.

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6. TECHNICAL PROPERTIES

Property	Value
Solids content	100% solid (solvent-less)
Specific gravity of blend	1.4
Compressive strength	900 PSI
Coverage (roller, 300 micron)	~0.3 L of blend per m ²
Maximum surface temperature exposure	140 °C
Lower temperature limit	Stable at sub-zero temperatures
VOC	Resins contain NIL, EpoDil contains 75% VOC

Dry Time at 25 °C

Stage	Time	Notes
Pot life	30 minutes	at 25 °C
Tack free	6-8 hours	
Dry cured	12-24 hours	temperature dependent
Fill with water	48 hours	after final coat
Fully cured	7 days	cures underwater

Note: Designed for underwater use and out of direct sunlight. Where pool chemicals are used, shield with Polyurethane or Chemical Resistant Clear Epoxy. Fish- and plant-safe.

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.

10. HEALTH, SAFETY & HANDLING

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- 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.