

TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION & INTENDED USE

Shimicrete Poly Cement is a heavy-duty UV-stable polyaspartic cementitious floor system for fast-return industrial service, with high temperature and chemical resistance and a slip-resistant finish.

2. KIT CONTENTS & COVERAGE

Each kit covers 3-5 m² at 2-4 mm (approx. 25 m² per kit set). Consider an extra base-coat kit for substandard or damaged concrete surfaces.

Product Description	Size	Code	Qty
UV Plus Clear Polyaspartic	25Lt	PA	1
SHIMICRETE Cement	15Kg	SC	5
Aluminium Oxide	2Kg	AX	1
Silica Sand	20Kg	SS	1
UV Plus Tinted Polyaspartic	7.5Lt	TP	1
EpoDil	1Lt	ED	1

3. KEY FEATURES & BENEFITS

- Heavy-duty cementitious resin floor for demanding service
- High temperature and strong chemical resistance
- Hard, durable mortar structure with slip-resistant finish
- Suited to industrial, food and wet processing areas

4. RECOMMENDED SUBSTRATES & APPLICATIONS

Substrates: Concrete and prepared cementitious floors.

Applications: Industrial floors needing fast return to service with chemical and thermal resistance.

Applied by: Trowel and screed.

5. TECHNICAL PROPERTIES

Property	Value
System	Three-component cementitious resin mortar, self-levelling
Solids content	100% solid, solvent-free
Service temperature	Up to 120 °C (min 9 mm build for high-temperature service)
Chemical resistance	High - resists food / organic acids and sanitising chemicals
Vapour barrier	Acts as a temporary vapour barrier on damp substrates
Coverage	~2 kg/m ² per 1 mm thickness; typical build 2-9 mm
Substrate (min)	Compressive 20-25 MPa, tensile 1.5 MPa; concrete

Property	Value
	min 7 days old
Re-coat with finish	After 24 h, once surface humidity is below 4%
Shelf life	Over 12 months, unopened, stored cool and dry
VOC	Resins contain NIL, EpoDil contains 75% VOC

Dry Time

Temp	Pot life	Surface dry	Initial cure	Re-coat	Full cure
10 °C	45 min	12 h	24 h	24 h	7 days
20 °C	40 min	10 h	18 h	18 h	7 days
30 °C	35 min	8 h	16 h	16 h	7 days

Note: Do not dilute with EpoDil or Xylene. Use the full pre-metered unit - do not split. Substrate temperature +5 to +30 °C; relative humidity below 70% during application. Avoid water contact for 24 hours.

6. 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.

7. 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.

8. 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.

9. 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.

10. LIMITATIONS & IMPORTANT NOTES

- UV-stable system; suitable for exterior use.

Shimicrete Poly Cement

Polyaspartic Cement Heavy-Duty Floor System



- 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.

11. CONTACT DETAILS & DISCLAIMER

SHIMICOAT Pty Ltd

Ph (08) 9434 3302 info@shimi.com.au www.shimi.com.au
ABN 28 622 871 283

Disclaimer: The technical data herein is based on tests carried out in our laboratories and is true and accurate to the best of our knowledge on the date of publication, but is subject to change without notice. As the uses of this product are beyond the seller's control, the product is sold without guarantees; warranties are governed by Shimicoat's Standard Terms of Sale. The purchaser must conduct its own tests to determine suitability for their specific application. Shimicoat Pty Ltd accepts no liability beyond replacement of defective product.

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