

Resin Bound Permeable Paving

Polyaspartic Resin-Bound Aggregate Paving



TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION & INTENDED USE

A permeable resin-bound paving system: coloured stone aggregate bound with UV-stable clear polyaspartic for a seamless, porous, decorative surface ("Resin Aggregate").

2. KIT CONTENTS & COVERAGE

Available in two kit sizes (Small 30sqm & Large 60sqm)

Small Kit 30sqm (Depending on thickness of stone paving, coverage may vary)

Product Description – 600sqm Kit / LARGE	Size	Code	Qty
Clear Polyaspartic (UC)	25Lt	PA	1
Australian Coloured Stone (60X20Kg Bag OR 600Kg in Jumbo Bag)	20Kg	AS	30
Aluminium Oxide	1Kg	AX	1
EpoDil	4Lt	ED	1

Large Kit 60sqm (Depending on thickness of stone paving, coverage may vary)

Product Description – 600sqm Kit / LARGE	Size	Code	Qty
Clear Polyaspartic (UC)	25Lt	PA	2
Australian Coloured Stone (60X20Kg Bag OR 1.2Tonne in Jumbo Bag)	20Kg	AS	60
Aluminium Oxide	2Kg	AX	1
EpoDil	4Lt	ED	1

3. KEY FEATURES & BENEFITS

- Decorative and modern, seamless and hygienic finish
- Easy to clean - easy mop, easy wipe
- Moisture barrier; highly resistant to abrasion, impacts and chemicals
- UV-stable polyaspartic top coat - resists yellowing
- Engineered for Australian conditions; interior and exterior use

4. RECOMMENDED SUBSTRATES & APPLICATIONS

Substrates: Concrete and prepared cementitious floors.

Applications: Driveways, paths, courtyards, tree surrounds and permeable paving.

Applied by: Trowel / float.

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5. TECHNICAL PROPERTIES

Property	Value
Solids content	100% solid (solvent-less)
Specific gravity of blend	1.4 or less
Maximum surface temperature exposure	140 °C
Finish / gloss	High gloss
VOC	Resins contain NIL, EpoDil contains 75% VOC

Dry Time at 25 °C

Parameter	Base / Body Coat	Clear Top Coat
Pot life	45 minutes at 25 °C	45 minutes at 25 °C
Tack free	2-3 hours	2-3 hours
Thin-film set	8 hours (minimum)	8 hours (minimum)
Dry cured (foot traffic)	12-24 hours	12-24 hours
Fully cured (vehicle traffic)	7 days	7 days
Re-coat	Overnight (16 hours)	Overnight (16 hours)

Multi-coat systems can be installed consecutively once the previous coat has reached thin-film set / dry cure and is accessible. Times vary with temperature, humidity and film thickness.

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.

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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.
- 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

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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.