

# 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

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- 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.

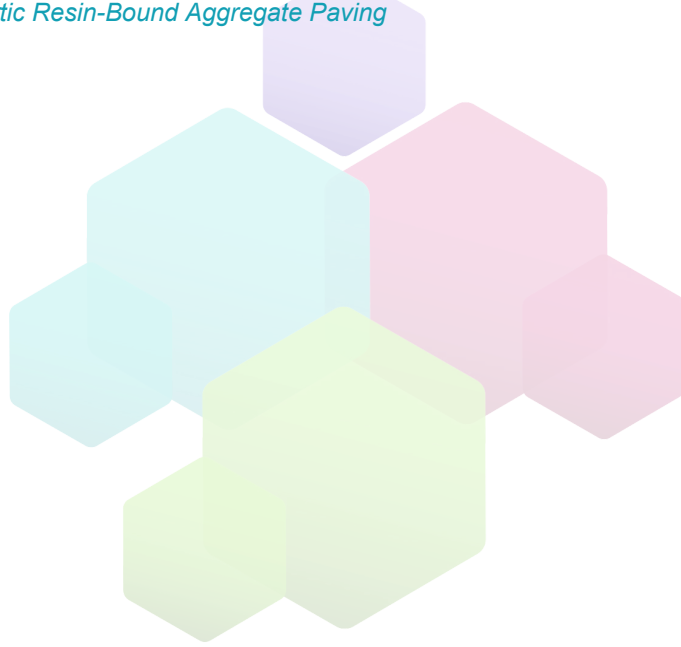
## 5. TECHNICAL PROPERTIES

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**

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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

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*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*

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*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.