

RESIDENTIAL
& COMMERCIAL

INDUSTRIAL
& MARINE

ART
& CRAFT

SHIMICOAT
SURFACE SOLUTIONS



Swimming Pool Polyaspartic Complete Kit

Kit Sizes & Contents

5sqm Kit Contains

Product Description	Size	Code	Quantity
Swimming Pool Polyaspartic	2.5Lt	TP	1
Ultra-Clear Polyaspartic	2Lt	CP	1

10sqm Kit Contains

Product Description	Size	Code	Quantity
Swimming Pool Polyaspartic	5Lt	TP	1
Ultra-Clear Polyaspartic	4Lt	CP	1

25sqm Kit Contains

Product Description	Size	Code	Quantity
Swimming Pool Polyaspartic	7.5Lt	TP	1
Ultra-Clear Polyaspartic	6Lt	CP	1
EpoDil	1Lt	ED	1

40sqm Kit Contains

Product Description	Size	Code	Quantity
Swimming Pool Polyaspartic	10Lt	TP	1
Ultra-Clear Polyaspartic	8Lt	CP	1
EpoDil	1Lt	ED	1

60sqm Kit Contains

Product Description	Size	Code	Quantity
Swimming Pool Polyaspartic	12.5Lt	TP	1
Ultra-Clear Polyaspartic	10Lt	CP	1
EpoDil	1Lt	ED	1

90sqm Kit Contains

Product Description	Size	Code	Quantity
Swimming Pool Polyaspartic	25Lt	TP	2
Ultra-Clear Polyaspartic	12.5Lt	CP	1
EpoDil	1Lt	ED	2

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

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Kits Include

Swimming Pool Polyaspartic Complete Kit:

- Swimming Pool Polyaspartic (ordered Size Quantity)
- Ultra-Clear Polyaspartic – UV Stable Clear Topcoat (Ordered Size Quantity)

Colour Chart

Standard Colours:

- | | | |
|-------------------|--------------------|------------------|
| ▪ BRIGHT BLUE B23 | ▪ BEANSTALK G37 | ▪ Dark Grey N64 |
| ▪ PALE BLUE B35 | ▪ NEUTRAL GREY N23 | ▪ Terracotta R52 |
| ▪ BLUEBELL B41 | ▪ CREAM Y34 | ▪ Dark Brown X65 |
| ▪ SKY BLUE B45 | ▪ White N14 | |
| ▪ OPALINE G32 | ▪ Black N61 | |

SHIMICOAT offers all Australian Standard AS2700 Colours, consisting of 206 colours. Please contact SHIMICOAT office for your custom design tint. Extra charges may apply.

Coverage

As specified on each kit size.
First coat usually consumes more and the second coat less.

Applications

Roller, Brush or Squeegee.

Description

Swimming Pool Polyaspartic is a complete kit containing tinted two pack Polyaspartic to your desired colour for applying Swimming Pool Polyaspartic to protect concrete, tile, fiberglass or other head surfaces with enhanced UV Resistant properties. Ultra-Clear Polyaspartic can enhance UV & scratch resistance properties of the finish surface.

Swimming Pool Polyaspartic is an industrial grade Polyaspartic coating material for high performance floors with added benefit of safer surface. The product has various applications due to its excellent mechanical, chemical, electrical and adhesion properties to most substrates. Swimming Pool Polyaspartic has been developed specifically for Australian conditions using the latest Polyaspartic technology. It provides excellent protection against weathering conditions and the splash and spillage of a wide range of chemicals. Swimming Pool Polyaspartic provides a highly durable, chalk resistant, wear and chemical resistance surface for concrete floors. High quality Polyaspartic floor coating system in many colours that is solvent free when used as coating or binder. The product can be tinted in all Australian Standard Colours. Swimming Pool Polyaspartic coating has specially developed to be incorporated with non-slip materials to provide your desired floor finishing system, with functionality and style. The surface may be laid as a thin film using roller applicator. The thickness of the coating can be reduced by addition of Diluent.

Dry Time at 25°C

Pot Life:	15 minutes at 25°C
Tack Free:	1-2 hours
Thin Film Set:	3 Hours (Min, depending on temperature and humidity)
Dry Cured:	4 hours – Foot Traffic (depending on temperature and humidity)
Fully Cured:	1 day (Vehicle Traffic)
Re-Coat:	4 Hours



Clean Up

Thinner & Diluent (Blend of Solvents).

Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash
Acid-wash to enhanced surface porosity and etch the surface. Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry. Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Polyaspartic products, to maximize adhesion. For further information, please refer to SHIMICOAT Instruction for "Surface Preparations"

Features

Swimming Pool Polyaspartic is supplied in two pack kit, Part A (Resin) and Part B (Curative or Hardener) offering:

- Improved wear and abrasion resistance resulting from hardness and inorganic composition of Slip Resistant materials
- Enhanced acoustic properties owing to its capacity to absorb sound and vibration within the Polyaspartic matrix
- Improved Fire Rating performance due to its non-combustible nature and super high temperature melting point materials
- Colour-fast and superior gloss retention due to spheres being uniformly being coated with Polyaspartic and naturally rising, surfacing and positioning over the top surface
- Ideal Polyaspartic Coating over the spheres' outer layer, due to the surface tension.
- Modern, Hygiene, Functional and Economical.
- Safe and Compliance with most regulatory.
- Heavy duty clear or pigmented coating for concrete and polished concrete floors.
- Highly resistant to chemical attack and pedestrian or vehicular traffic.
- Long lasting and easily maintained with good resistance to a wide range of domestic and commercial chemicals.
- Solvent free when used as a clear unpigmented coating or binder.
- Outstanding water resistance.
- Seamless, easy to clean and maintain.
- Superior Chemical Resistant Finished surface
- Solvent Free (Unless you apply Diluent for thickness control)
- Engineered formulation for trafficable area with high mechanical strength
- DIY Friendly, easy to apply and curable over a wide range of temperature

Specifications

Physical & Chemical properties of Swimming Pool Polyaspartic :

Pot Life @25°C	15min
Colour of Blend	Available in All Australian Standard AS 2700 Colours
Specific Gravity (SG) of Blend	1.5 (or more once SlipRes Materials added)
Low Profile Coverage (Kg/sqm)	Roller Application (200micron) - 0.2Kg of Blend per sqm
Maximum Temperature Surface Exposure (°C)	140
Initial Cure Time (Hours)	4Hours
Ultimate Cure Time (Days)	1 Day

Specific resistance properties of Swimming Pool Polyaspartic, in harsh chemicals:

Media	Reagent	Rating
Acids	Hydrochloric Acid	B
	Sulphuric Acid	C
	Acetic Acid	B
	Nitric Acid (10% max)	C
	Phosphoric Acid (25% max)	B
Alkalis	Sodium Hydroxide	B
	Ammonium Hydroxide	A
	Potassium Hydroxide	B
	Sodium Hypochlorite (Bleach)	A
Solvents	Xylene	A
	Methyl Ethyl Ketone (MEK)	C
	Diesel	A
	Ethanol	A
	Acetone	B
	Kerosene	A
	Petrol	A
	Wine & Beer	A
Code	Resistance	Description
A	Excellent	Suitable for Long term immersion
B	Good	Suitable for Short-term immersion (Max 3 days)
C	Caution	Very short contact time is OK, spill and splash
D	Danger	Not Recommended

Indicative reference only. Tested in laboratory conditions at 25°C.

Resistance properties of Swimming Pool Polyaspartic :

Heat Resistant	140°C	Alkalis	Resist Short term immersion in all alkalis.
Weather Proofing	All Polyaspartic Coatings may yellow with time. Weatherproof top coat may be used if required.	Salts & Brines	Resist continuous or long-term immersion in all Salts & Brine systems.
Solvents	Resistant to most hydrocarbon solvents and alcohols.	Water	Excellent resist to continuous or long term immersion in fresh & Salt Water.
Acids	Resist splash and spills in all acids.	Abrasion	Excellent when fully cured (7 Days)

Ultra-Clear Polyaspartic Topcoat

Ultra-Clear Polyaspartic is one of SHIMICOAT's innovative products for topcoat applications over Swimming Pool Polyaspartic, Tinted Polyaspartic, Flake, Metallic or direct on concrete, metal or timber surfaces. The product is a high solid and high build Two Pack specifically engineered to achieve a smooth, hardwearing surface for Flake flooring, textured concrete, masonry, laminate and timber surfaces. It is an ideal choice for use in areas which require an extremely high build, hard protective coating with superior UV stability properties offering clarity and functionality. It produces a high gloss with excellent weathering properties and abrasion resistance. While the main purpose of SHIMICOAT Ultra-Clear Polyaspartic is to be used as clear topcoat, it can also be tinted in all Australian Standard colours for specialized applications.

SHIMICOAT Polyaspartic resins are widely used in marine services where high gloss UV stability, salt tolerance, hardness and abrasion resistance are required. Developed by SHIMICOAT R&D department, Ultra-Clear Polyaspartic is a high-performance resinous surface coating for industrial manufacturing environments, focusing on important properties required for a topcoat protective application. As an outstanding protection for your valuable business assets, SHIMICOAT Crystal Clear offers all those properties you may require:

- Can be applied as thin as you wish without any compromise on performance
- Abrasive/scratch resistant when compared to MANY other surface coating materials
- Chemical resistant to harshest chemicals available in household
- Long lasting as it DOES NOT wear out
- Modern, Hygienic, Economical and Functional

For mining, oil & gas industry, agricultural machinery, plant and equipment, marine services or any other application where exceptional durability is crucial, this ultra-tough two-pack direct gloss topcoat provides superior performance.

The product retains excellent gloss and colour over a long term, keeping your valuable equipment surfaces and floors looking great while enhancing the image of your business.

Direct-on application and Ideal for most surfaces:

- | | |
|-------------------------------------|------------------------|
| ▪ Grey Concrete | ▪ Timber Surfaces |
| ▪ Exposed Aggregate | ▪ Metal Surfaces |
| ▪ Limestone | ▪ Laminate |
| ▪ Decorative Concrete | ▪ Polished Concrete |
| ▪ Polyaspartic Flake Floors topcoat | ▪ Tools and Appliances |
| ▪ Tiles and all Pavers | ▪ Indoor and Outdoor |

Creating a smooth impervious surface.

Direction

Swimming Pool Polyaspartic provides major functional benefits and added values through enhanced performance of surface coating:

- | | | |
|-----------------|----------------------------|----------------|
| ▪ Durability, | ▪ Chemical resistant | ▪ UV Stability |
| ▪ Easy cleaning | ▪ Salt & Chlorine tolerant | ▪ Many Colours |

Mixing:

Mix thoroughly for a minimum 3 minutes manual or with mechanical mixer at low speed (750rpm Max).

If mixing smaller portions, mix at a ratio of 3A:1B by volume. For example, to prepare 2Lt mix, add 500mL of Part B (Hardener or Curing Agent) into 1.5Lt of Part A (Resin).

- Ensure surface to be coated is dry, run moisture test. Moisture can cause blooming and delamination.
- Pot life is approximately 45 minutes, work within 30min to ensure easy flow application.
- Use steady long strokes and avoid overworking the roller or pushing your roller too quickly as this may trap air bubbles in the coating.
- Do not apply if the rain is expected within 24 hours of application.
- New concrete should be allowed to cure fully (at least 28days) before application.
- Keep the pail sealed when not in use. Avoid application on hot surfaces.

If applicable, broadcast Slip Resistant Grits over the wet Polyaspartic followed by rolling.
Mix Ultra-Clear Polyaspartic at the right ratios as stated on label, mix for 1-2min, roll over the surface evenly.

Drying Times

Swimming Pool Polyaspartic cures in 4 hours at 25°C. High temperatures and windy

Temp °C	Pot Life (min)	Surface Dry (Hours)	Initial Cure (Hours)	Recoat Time (Hours)	Fully Cured (Days)
10°C	20	4	5	4	1 Day
20°C	15	3	4	3	1 Day
30°C	10	2	3	2	1 Day

conditions may speed the curing time.

Keep foot traffic off the final coat for at least 4 hours and vehicles for at least 1 day. Full hardness is achieved after 1 day.

WARNING

- Do not fill the pool for at least 24 hours after application. Fill the pool with water at least after 24 hours.
- Keep the product in cool – under direct sun during application. Do NOT keep under the sun as it may heat up the product and result in shorter pot-life.
- Polyaspartic is fast cure with pot-life of less than 15min, so be well prepared, once mixed apply to surface immediately and lay using brush, roller or squeegee.

Storage

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months, mix uniformly for 3 minutes prior to use.

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

This information and all further technical advice are based on our present knowledge and experience.

The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.