UV Plus Tinted PolyAspartic

Fast Cure / UV Stable Tinted Topcoat

SHIMICOAT UV Plus Tinted PolyAspartic is a rapid curing, two- component solvent-free, aliphatic UV Plus Tinted PolyAspartic coating system, designed as a Decorative Finish and highly durable coating for floors and many other surfaces, UV proof and non-yellowing.

PROPERTIES	Polyaspartic	Polyurethane	Epoxy
Curing	Fast - 4 Hours	Slow - 12 Hours	Slow - 12 Hours
UV Resistant	HIGH Stability ***"Non-Yellowing"***	LOW Stability *"Yellowing Over Time"*	LOW Stability *"Yellowing Over Time"*
Outdoor Suitability	Ideally Suitable	Not Suitable Under Sun	Not Suitable Under Sun

UV Plus Tinted PolyAspartic cure-time and pot-life can be adjusted to suite your application requirements.

Formulated with aliphatic chemistry, UV Plus Tinted PolyAspartic is a high performance coating materials which is highly desirable by many professional installers.

Product Overview

- Low viscosity Pre-Tinted
- Rapid curing
- Easy brush and roller applicable
- High gloss Finish
- Hard, abrasion and chemical resistant

Performance Characteristics

- Excellent:
  - Hardness
  - Adhesion
  - Mechanical strength
  - UV resistance (non-yellowing)
  - Chemical resistance (solvents, acids, bases)
  - Durability and gloss retention
- Low VOC content (environmentally compliant)

Advantages over Epoxy/Polyurethane

- Better UV stability (aliphatic chemistry – no yellowing or colour shift)
- Wider application temperature range
- Longer working time than polyurea (suitable for brush/roller)

Can be applied directly to:

- Concrete
- Tiles
- Epoxy Flake coatings
- Steel, galvanized steel, aluminum

Ideally suitable for:

- Color chip/flakes and quartz flooring
- Decorative concrete
- Clean rooms, aircraft hangars, automotive facilities

NON-SLIP FINISH APPLICATION

Variety of slip resistant materials can be used to achieve your desired Slip Resistant Floor finishing system:

Broadcast (Silica Sand / Quarts /ALOX / GLASS BEAD)

Full broadcast the grits over the entire wet surface.

Broadcast within 30 minutes of rolling down the CLEAR EPOXY SAFETY GRIP base product.

Curing

Allow the floor to cure for 8–12 hours.

After curing, carefully sweep off all loose, unbound sand.

Remove loose sand completely

Seal Coat / Topcoat Shield

Apply a final thin coat of Clear Epoxy over the surface.

This coat locks in the Slip Resistant grit and provides an even appearance.

Ensure the product is fully blinded out (completely covered)

Add into Resin:

Polypropylene Grit - Single Size of Medium

Add Non-Slip Additive into the resin, mix and apply.

Add a small amount of Diluent if needed for consistency.

Occasionally stir the mixture during application to prevent the additive from settling.

SHIMICOAT recommend Broadcast Slip Resistant as the most unform method of application.

Xtra Grip SlipRes is an inorganic oxide complex of Aluminium with extreme pressure impact resistant of up to 1.5Tonne per grain. Shimicoat Xtra Grip SlipRes is available in many grit sizes to represent Australian Standard Non-Slip Floor Finishing System rating of R9 to R13:

Grit Sizes	Oil-Wet Inclining Platform Test	Wet Pendulum Test
Super Fine	R9	P2
Fine	R10	P3
Medium	R11	P4
Coarse	R12	P5
Super Coarse	R13	P6

Most restaurants/cafes are required to be R10 or R11 Non-Slip Floor Compliance.
SHIMICOAT offers a comprehensive range of flooring and Slip Resistant coating materials. Xtra Grip SlipRes is an inorganic Aluminum Oxide complex in granular shape that can be scattered over the floor followed by application of topcoat Epoxy or Sealer materials.

Shimicoat offers a wide range of resin coating materials to be used in conjunction with Xtra Grip SlipRes for your desirable surface that is hygienic, safe, functional, modern and economical.

Xtra Grip SlipRes is an easy to use DIY materials that can be scattered over your prepared floor, followed by coating application of Epoxy, Polyurethane and many types of sealers.

Xtra Grip SlipRes is engineered to introduce limited traction improvement and is not an anti-slip. It should not be expected to impart significant traction to an otherwise slippery substrate. The installer is responsible to obtain Slip Resistant certification from authorized bodies, Shimicoat does not provide and is not responsible in regards to compliance and Slip Resistant ratings.

Traction is greatly influenced by the underlying pavement and is usually affected by slope as well as texture. Shimicoat does not recommend the use of heavy coats on steep or smooth surfaces.

APPLICATIONS

Use Roller, Brush or Squeegee. SHIMICOAT UV Plus Tinted PolyAspartic can be used for indoor and outdoor coatings of concrete, tiles, furniture, roofs, pipe coatings and many more. Direct-on application and Ideal for most surfaces:

- Grey Concrete
- Exposed Aggregate
- Limestone
- Decorative Concrete
- Epoxy Flake Floors topcoat
- Tiles and all Pavers
- Timber Surfaces
- Metal Surfaces
- Laminate
- Polished Concrete
- Tools and Appliances
- Fiberglass Reinforced Vinyl Esther
- Plastic surfaces
- Indoor & Outdoor

Creating a smooth impervious surface that's durable, UV Proof aesthetic and Stylish.

FEATUURES

- Easy Application:
  - Rolled
  - Brushed
  - Squeegee
- Non-Yellowing Clear Topcoat
- Non-Hazardous – Non-Dangerous Goods
- High solid, solvent-free, highly reactive two- component protective coating
- Water Clarity and high transparency
- Impervious finish surface
- Good weather resistance, friction resistance and compression resistance
- Forms a Hardwearing finish surface
- Excellent adhesion to substrates such as concrete, ceramic tiles, wood, metal and even glass surfaces
- Excellent waterproof and anticorrosive properties
- Ideally suitable for waterproofing repairs on concrete and tiles indoor and outdoor
- Ideally suitable for under direct sunlight with extreme UV radiation
- Excellent mark and scuff resistance
- Excellent anti-graffiti coating
- Excellent resistance to oil and most household chemicals
- Ideal for Indoor and Outdoor
- Ready-to-use formulation without any need for dilution
- Advanced polymer technology to penetrate deep with high build properties
- Protect against waterborne contaminates
- Protect against salt ion ingress
- Protect against efflorescence, biological growth
- Produces a hard, crystal clear film
- Excellent resistance to weathering
- Long lasting and Durable
- Tintable in all Australian Standard Colours
- Easily Recoated
- Compatible with decorative and slip resistant coating materials
- Economical

PRODUCT PACKAGNG

5Lt Kit is recommended as the most convenient Kit Size
Mix and Apply without any measurements
Covering up to 20sqm per coat

Kit Sizes (Vol)	Mix Ratios
2.5	1.5A:1B (1.5Lt A + 1Lt B)
5.0	1.5A:1B (3Lt A + 2Lt B)
7.5	1.5A:1B (4.5Lt A + 3Lt B)
10.0	1.5A:1B (6Lt A + 4Lt B)
12.5	1.5A:1B (7.5Lt A + 5Lt B)
25.0	1.5A:1B (15Lt A + 10Lt B)

SPECIFICTIONS

Mix Ratios	1.5A:1B (Volume) or 2A:1B (Weight) *For Example: 3Lt of A (4Kg) & 2Lt of B (2Kg)*
Pot Life @25°C	20min
Colour of Blend	Available in All Australian Standard AS 2700 Colours
Specific Gravity (SG) of Blend	1.4
Low Profile Coverage (Kg/sqm)	Roller Application (200micron) - 0.2Kg of Blend per sqm
Maximum Temperature Surface Exposure (°C)	140
Initial Cure Time (Hours)	8Hours
Ultimate Cure Time (Days)	1 Day
Compressive strength (ASTM D 695-85)	>70
Tensile strength (ASTM D 638-86)	>15
Flexural strength (ASTM D 790-86)	>15
Hardness shore D (ASTM D2240-86)	>81
Abrasion Resistance (ASTM D4060-90)	0.056 g/1000 cycle

COVERAGE

5-10sqm/Lt Per Coat / Recommended Two Coats

DRY TIME AT 25°C

Touch Dry:	8 Hours (Depending on temperature, air flow and humidity)
Recoat:	Every 12 hours if necessary
Foot Traffic:	24 Hours
Heavy Traffic:	7 Days

CLEAN UP

Clean-Up with Xylene, EpoDil or AcryDil

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 Epoxy products, to maximize adhesion.
For further information, please refer to SHIMICOAT Instruction for "Surface Preparations".

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.
UV Plus Tinted PolyAspartic Flooring is in two parts A and B that you can open and use as you need and store the remaining with shelf life of over 24 months in closed containers. No matter how often you open the lid, it does not react with atmospheric moisture, so integrity of the product remains intact for its shelf-life, a few selected features of SHIMICOAT UV Plus Tinted PolyAspartic Flooring are:

Mixing & Application Instructions

Mixing Procedure:

1. Use a slow-speed mechanical mixer to ensure a controlled and thorough blend.
2. Gradually add Component B (curative) while continuing to mix.
3. Mix until the blend is homogeneous and free from lumps (2min).

Application Guidelines:

- Pour the mixed product directly over the surface.
- Use a squeegee to spread out to assist with self-levelling.
- Using a medium nap roller, apply the product evenly to the substrate.
- Finish off the surface uniformly, ensuring there are no puddles, streaks, or roller trails.

For Thin Coat Applications of 100 microns, diluent may be added to adjust consistency.
Dilute up to 10% by volume.

NON-SLIP FINISH APPLICATION

Variety of slip resistant materials can be used to achieve your desired Slip Resistant Floor finishing system:

Broadcast (Silica Sand / Quarts /ALOX / GLASS BEAD)
Full broadcast the grits over the entire wet surface.
Broadcast within 30 minutes of rolling down the SupaFast base product.
Ensure the product is fully blinded out (completely covered)

Curing
Allow the floor to cure for 8–12 hours.
After curing, carefully sweep off all loose, unbound sand.
Remove loose sand completely

Seal Coat / Topcoat Shield
Apply a final thin coat of SupaFast over the surface.
This coat locks in the Slip Resistant grit and provides an even appearance.
SHIMICOAT recommend above Broadcast Slip Resistant as the most unform method of application.

Add into Resin:
Polypropylene Grit - Single Size of Medium
Add Non-Slip Additive into the resin, mix and apply.
Add a small amount of Diluent if needed for consistency.
Occasionally stir the mixture during application to prevent the additive from settling.

CUREING PROCESS

Cure time may vary depending on several factors:

- Application thickness
- Amount of material applied
- Surface temperature
- Product temperature

To Accelerate Cure:

- Warm the product before mixing, or
- Allow mixed material to stand for 15 minutes prior to application.

To Slow Cure:

- Cool the product before mixing.

Temp °C	Pot Life (min)	Surface Dry (Hours)	Initial Cure (Hours)	Recoat Time (Hours)	Fully Cured (Days)
10°C	30	10	16	16	7 Days
20°C	20	8	12	12	7 Days
30°C	15	6	8	8	7 Days

Combatting Corrosion in Harsh Environments with SHIMICOAT
Marine and Offshore harsh environments are inherently corrosive. Continuous exposure to wet, harsh atmospheres—especially in splash zones and underwater areas, combined with erosive forces from waves and floating debris, accelerates the degradation of equipment and structural components. If left untreated, corrosion can lead to severe structural damage, leaks, ruptures, costly downtime, and significant environmental risks.

SHIMICOAT In-Situ Protection & Repair Systems
SHIMICOAT offers innovative in-situ solutions specifically designed for many industrial and commercial surfaces. These systems require minimal surface preparation and are engineered to perform in some of the most challenging marine environments.
In addition to our comprehensive product range, SHIMICOAT provides surface-tolerant technologies that are highly effective even on wet, oily, or sweating substrates. These products are engineered for exceptional adhesion to steel, regardless of immersion conditions.
Why Choose SHIMICOAT?

- Cures to Perfection
- No hot work required
- Minimal surface preparation
- Strong adhesion to steel / Concrete
- Long-lasting, permanent protection
- Proven performance globally

SHIMICOAT's surface-tolerant repair systems reduce maintenance costs and extend the life of your assets—above water, in splash zones, and underwater.

Get in Touch
For more information on SHIMICOAT's industrial solutions, contact your local SHIMICOAT representative today.