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**SHIMICOAT**  
SURFACE SOLUTIONS



# Slip Resistant Clear Polyaspartic

## *An Installation Guide*

**Grit sizes offered in accordance to Australian Standard R9-R13**

Slip Resistant Xtra Grip Materials are fine white granules used to increase slip resistance on floors when used in conjunction with resinous and solvent-based coatings. Slip Resistant Xtra Grip can be applied while applying Ultra Clear Polyaspartic TOPCOAT 1A:1B. Slip Resistant Clear Polyaspartic floor shall be applied in situations where you desire to maintain the look of your surface. This system can be applied with Clear Polyaspartic, Tinted Polyaspartic or even in combination with Flake floor or Metallic finish surface.

### Products and Materials

- Polyaspartic Resin
- Xtra Grip SlipRes Materials
- Diluent / Thinner – EpoDil

### Tools:

- Electric mixer or stick for missing resin
- Brush and Rollers
- Extendable Handle / Pole
- Vacuum or blower to clean up the surface
- Spike Shoes (if you need to walk over the wet resin surface)

### Advantages:

- Ideal Slip Resistant floor for many applications.
- Generally, increases abrasion resistance of solvent-based coatings.
- Does not detract from aesthetic appeal of most decorative surface.
- Similar to metal enforcement in concrete matrix, Slip Resistant Xtra Grip increases the strength & durability of your surface coating materials known as Ultra Durability Plus (UDP)

### Installation:

#### Surface Preparations:

1. Prepare the surface in accordance to SHIMICOAT surface preparation manual to ensure ideal bonding.
2. Ensure the surface is perfectly clean and free of oil and grease.
3. Vacuum and/or blow out to remove dust from the surface.
4. Tape all around the walls and cover all surfaces that you wish NOT to be Polyaspartic coated.

**NOTE:** For further information on surface preparation, please refer to our brochure, website or contact Shimicoat technical representative.

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

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### Slip Resistant Clear Polyaspartic Coating:

1. Once the surface is prepared and you are set for coating application, commence mixing resins.
  2. Mix Part A with Part B in accordance to label instruction. Ultra-Clear Polyaspartic shall be mixed at 1A:1B by volume.
  3. Ultra-Clear Polyaspartic shall be used at 1A:1B (by weight or volume) blend ratio. Please read label instruction for mix ratios.
  4. Once mixed, you are on the clock, 15min to complete coating application.
- NOTE:** DO NOT keep in bucket, empty onto the surface to cool down & avoid overheating.
5. Apply to the surface using a squeegee, roller or brush, depending on the size of your surface. Use brush/mini-roller to coat over the edges and corners.
  6. Using a Fertilizer Spreader or a similar tool to sprinkle Xtra Grip Slip Resistant granules over the entire surface, evenly.
  7. You can use your roller to go over the surface again just gently over the entire surface to maintain uniformity of the finish surface.
  8. Let it cure for 4 hours depending on temperature.
  9. One coat is enough, however; feel free to apply another clear topcoat Polyaspartic over the surface, if necessary and aesthetically unsatisfactory.

**NOTE:** Add Polyaspartic Diluent or Xylene up to 5% to thin the product, only if required and only for the first coat. During winter, you may need more thinner/diluent to reduce product viscosity, for ease of application.

## More Applications

SHIMICOAT Polyaspartic can be applied directly on surface or over other Polyaspartic and decorative materials such as Quartz, Flakes or Glitters.

### SHIMI Quartz:

Remove excessive Quartz, cleanup, vacuum, broom or blow out loose Quartz. Ensure the floor has been uniformly prepared and all loose materials vacuumed or removed from the surface.

Apply using a suitable roller or spread with a squeegee then level by back-rolling in both Criss-Cross directions. One coat of SHIMICOAT Crystal Clear Polyaspartic (Polyaspartic or Polyaspartic PLUS) is enough for topcoat and two coats are ideal.

The second coat must be applied within 4 hours of the 1st coat being applied. Sanding may be required, if there is a between-coat interval gap of over 72hours.

### Flake Flooring:

Ensure flaked floor has been uniformly scraped and all loose flakes vacuumed or removed from the surface.

Apply using a suitable roller or spread with a squeegee then level by back-rolling in both Criss-Cross directions.

One coat of SHIMICOAT Ultra-Clear Polyaspartic is enough for topcoat and two coats are ideal. The second coat must be applied within 4 hours of the 1st coat being applied to achieve more aesthetically appealing finish surface.

Sanding may be required, if there is a between-coat interval gap of over 72hours.

### Direct on Concrete:

Over new concrete, ensure concrete is sufficiently cured (recommended minimum 28 days), with moisture content of less than 5%. Skim grinding of the surface may be required to remove surface materials such as concrete sealer, paint, algae, mildew, mould, oil, grease and loosely bonded concrete. If grinding is unavailable, we recommend acid wash followed by pressure cleaning. Allow to thoroughly dry before coating.

Please refer to the following SHIMICOAT Procedures for further details:

- Surface Preparation Procedure
- Concrete Moisture Test
- Concrete Acid Wash

## Application:

- Calculate coverage rate of 5-7m<sup>2</sup> per litre depending on film build.
- Pot Life of the product is 15 minutes depending on the temperature, get it out of the pot within 5min.
- Blend enough that you can comfortably apply, not too much, not too little. We recommend 2.5Lt (one person) or 5Lt Max for two people applying.
- By weight or volume, Add 1.5 part of Part A into 1 part of Part B (1.5A:1B).
- Mix with slow RPM mixer or stick for 2-3 minutes gently and uniformly, in both directions. DO NOT introduce air into the product, avoid aggressive mixing.
- Use Neat. Only if necessary, dilute by adding up to 5% AcryDil, EpoDil or Xylene into the mix to make it easier to roll out and apply to the surface. Example of such situation is, during winter when temperature is closer to 10°C and resin is viscous or if you wish to thin it down during first application and allowing deeper penetration.
- Mix well and commence application using brush, roller or squeegee.

## Warning:

- Please consult MSDS of the product prior to use.
- Do Not Apply if rain is expected within 24 hours.
- Surface Prep is crucial to ensure strong bonding. Surfaces such as Porcelain Tiles, Polished or Burnished Concrete are not suitable for coating due to lack of surface porosity.
- Sealed surfaces can become slippery when wet.
- DO NOT apply over existing low-quality sealers or coating materials
- Main three reasons detrimental to curing process of SHIMICOAT Crystal Clear Polyaspartic
  - Not mixed properly, mix for a minimum of 2 minutes using low speed electric mixer or paint mixer
  - Wet substrate with moisture content over 5%
  - Low atmospheric temperature, lower than 10 °C
- Once mixed, empty over the surface. DO NOT keep inside the pot to avoid overheating.

For further advise, please contact technical team at Shimicoat or refer to product brochure or our website.

## 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.

End of Procedure.

## 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.

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



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