

RESIDENTIAL
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SHIMICOAT
SURFACE SOLUTIONS



Slip Resistant Ultra Clear Epoxy

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 Epoxy TOPCOAT 2A:1B. Slip Resistant Clear Epoxy floor shall be applied in situations where you desire to maintain the look of your surface. This system can be applied with Clear Epoxy, Tinted Epoxy or even in combination with Flake floor or Metallic finish surface.

Products and Materials

- Ultra Clear Epoxy
- Xtra Grip SlipRes Materials or SlipRes Ceramic
- 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 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 epoxy 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 Ultra Clear Epoxy 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. Premium Tinted Epoxy shall be mixed at 3A:1B by volume.
3. Ultra Clear Epoxy shall be used at 2A:1B (by weight or volume) blend ratio. Please read label instruction for mix ratios.
4. Ultra Clear Epoxy shall be mixed at 2A:1B, meaning 2Lt of A to be added into 1Lt of Part B.
5. Now you are on the clock, half an hour to complete coating application.
NOTE: DO NOT keep in bucket, empty onto the surface to cool down to avoid overheating.
6. Apply to the surface using a roller or brush, depending on the size of your surface. Use brush/baby roller to coat over the edges and corners.
7. Using a Fertilizer Spreader or a similar tool to sprinkle Xtra Grip Slip Resistant granules over the entire surface.
8. You can use your roller to go over the surface again (without epoxy) just gently over the entire surface to maintain uniformity of the finish surface.
9. Let it cure overnight (8-20 hours depending on temperature).
10. Feel free to apply another clear topcoat epoxy over the surface.

NOTE: Add Epoxy 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 Polyurethane can be applied directly on surface or over other epoxy 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 "Ultra Clear Epoxy" is enough for topcoat and two coats are ideal.

The second coat must be applied within 16 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 Epoxy is enough for topcoat and two coats are ideal. The second coat must be applied within 16 hours of the 1st coat being applied. 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 5-7m² per litre depending on film build.
- Pot Life of the product is 45 minutes depending on the temperature, get it out of the pot within 30min.
- Blend enough that you can comfortably apply, not too much, not too little. We recommend 4Lt (one person) or 8Lt Max for two people applying.
- By weight or volume, Add 1 part of Part B into 2 parts of Part A.
- 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
- DO NOT apply over driveway or pool surroundings with extreme UV radiation
SHIMICOAT ONLY recommend Acrylic Sealers for driveways and direct under sun surfaces
- Not Recommended for under direct sunlight as UV degradation and discoloration may occur over time
- Main three reasons detrimental to curing process of SHIMICOAT Crystal Ultra Clear Epoxy
- Not Recommended for under direct sunlight as UV degradation and discoloration may occur over time
- Main three reasons detrimental to curing process of SHIMICOAT Crystal Ultra Clear Epoxy
 - 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.
- Always use Epoxy for indoor surfaces out of direct sunlight, as yellowing may occur if exposed to UV radiation.
- For outdoor surfaces, use SHIMICOAT Polyurethane (Ultra Clear Epoxy) or Acrylic Resin as topcoat.

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.

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.

