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SURFACE SOLUTIONS



Benchtop Epoxy Metallic Countertop/Bar/Benchtop *An Installation Guide*

Following is a step-by-step guide to install Metallic Epoxy topcoat over countertop, bar or benchtop surface of wood, concrete or metal.

Products and Materials

1. Epoxy Repair Kit
2. Basecoat Epoxy "Premium Tinted Epoxy in your choice of colour"
3. Ultra Clear Epoxy Topcoat (Indoor),
4. Diluent / Thinner
5. Metallic Pearlescent Powder or Liquid in your choice of colours (Dominant and Feature)

Tools:

1. Electric mixer or stick for mixing resin
2. Brush and Rollers
3. Squeegee (Notched or Flat)
4. Vacuum or blower to clean up the surface

NOTE: Metallic Coating Systems are recommended for indoor applications.

Notched Squeegee leaves more epoxy on surface and assist with thicker finish.

Installation:

Surface Preparations:

Prepare the countertop by surface grinding/sanding and removal of loose materials.

1. Use Epoxy Repair kit as required to fill any cracks, holes or damages on the surface.
2. Ensure the surface is perfectly clean and free of oil and grease. If grinder is unavailable, acid wash and make sure you wash, rinse and flush with detergent to neutralize the surface and remove all acid residue.
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.

Basecoat Application:

1. Mix basecoat epoxy in small portion that you can manage to apply.
2. Premium Tinted Epoxy has a maximum of 40min Pot Lift, plan to complete your application within 30minuts allowing a few minutes for unexpected situations.
3. Calculate to apply 3sqm/Lt to achieve 300micron basecoat thickness.
4. Apply the basecoat epoxy to corners, edges first then the main surface.
5. Let it cure for 8-16 hours depending on temperature.

NOTE: Add Epoxy Diluent or Xylene up to 10% to thin the product, only if required for example in cold days and only for the basecoat. Do not dilute topcoat.

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

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Pour-On Application:

1. When the surface is cured and touch-dried, plan to apply metallic topcoat.
2. Add your metallic Pearlescent Powder or liquid (~10-30g per Lt of Resin¹) into your resin (Part A). It may be desirable the pearlescent resin to be prepared in advance to ensure pigments are dispersed well into the resin, minimizing shooting stars. Mix well using an electric mixer at low speed for min 2 minutes.
3. If you are having two or more contrast effects, take out some small quantity of resin and prepare the colours accordingly.
4. When ready, add the correct quantity of Hardener / Curing Agent into the Pearlescent treated resin (Part A).

NOTE: Now you are on the clock, DO NOT waste time, initiate application. You must be prepared for application. One person applies the corners and edges using baby-roller or a brush and another person apply to the main surface. Pour the resin on the benchtop, and use a notched squeegee or a similar tool plus roller to spread-out the resin over the entire countertop. Go over the edges carefully. Calculate to apply 1L per sqm.

5. Add the contract colours and back roll over the entire surface.
6. Use your roller to go over the entire countertop till you are happy with its appearance.
7. You can use small hot gun (hot air blower) or other devices to go over the surface and burst any bubbles forming. If you are using Xylene or any flammable liquid DO NOT apply any naked flame or hot air over the surface.
8. Once happy with the appearance of PourOn Epoxy Application, clear the surface, wipe and clean all your tools using Xylene.
9. Once half cured (after a few hours) take the masking tapes off the edges as it will be too hard to take off when fully cured.
10. When application is complete and you are happy with the appearance of the countertop, let it cure for a minimum of 8 hours, ideally overnight 16 hours.
11. It may take a week or more till the Epoxy reaches its optimal hardness and strength.

NOTE: Add Metallic Pearlescent Powder in small increments, increase dosage if using liquid pigment, to your desired effect.

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

