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SURFACE SOLUTIONS



Clear Epoxy Countertop/Bar/Benchtop

An Installation Guide

Clear Epoxy can be applied over countertop/bar or benchtop if you wish to keep the existing appearance of the surface such as woodgrain, stone marble, etc.

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

Products and Materials

1. Ultra Clear Epoxy Topcoat (Indoor),
2. Diluent / Thinner

Metallic Floor Systems are only recommended for indoor applications.

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

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

Installation:

Surface Preparations:

1. Prepare the countertop by surface sanding and removal of loose materials.
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. Remember: you are applying clear topcoat and you clearly see the surface, so, clean up well.
5. Tape all around the walls and cover all surfaces that you wish NOT to be epoxy coated.

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



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Ph: (08) 9364 7446 | info@shimi.com.au | ABN: 28 622 871 283 | www.shimi.com.au

Basecoat Application:

Priming the Surface. You need to prepare the surface for PourOn application of Ultra Clear Topcoat Epoxy. Many installer may apply PourOn epoxy directly onto the surface without any basecoat. However, we recommend a thin coat of Ultra Clear Epoxy using roller or brush to ensure all porosity of the surface being blocked and the countertop surface is impervious without any risk of bubble or imperfection while applying PourOn topcoat epoxy.

1. Mix Ultra Clear Epoxy in small portion that you can manage to apply.
2. Calculate based on 3-5sqm/Lt of Ultra Clear Epoxy to achieve 200 to 300micron thickness of primer epoxy.
3. Ultra Clear Epoxy has a maximum of 40min Pot Lift, plan to complete your application within 30minuts allowing a few minutes for unexpected situations.
4. Apply the basecoat epoxy to corners, edges first then the main surface.
5. Let it cure for 8-16 hours depending on room 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.

Pour-On Application:

1. When the surface is partially cured and touch-dried, plan to apply PourOn Ultra Clear topcoat.
2. Calculate to blend 1L of epoxy resin per sqm of countertop surface (1Lt/sqm)
3. When ready, mix Part A into Part B of Ultra Clear Topcoat epoxy, mix for 2-3 minutes using stick or low speed electric mixer.



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.

NOTE: Metallic Floor Systems are only recommended for indoor applications.
Notched Squeegee leaves more epoxy on surface and assist with thicker finish.



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4. Use your roller to go over the entire countertop till you are happy with its appearance.
5. 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.
6. Once happy with the appearance of PourOn Epoxy Application, clear the surface, wipe and clean all your tools using Xylene.
7. 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.
8. 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.
9. It may take a week or more till the Epoxy reaches its optimal hardness and strength.



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

DISCLAIMER

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

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