

Bonding to Substrate

Which coating material has THE STRONGEST adhesion properties to surface?

Amongst all coating resins, epoxy products adhere to most surfaces such as metal, timber, laminate, concrete, stone and even glass the strongest, especially clear epoxy products which are 100% resin, with no additive such as filler, binder and other components. If you are coating over smooth surface with no/little porosity such as metal, timber, laminate, concrete, stone, glass or a poorly prepared surface, you may consider clear epoxy as Primer, followed by subsequent coats of tinted epoxy, decorative materials and clear topcoat. This way, you prepare the surface for ideal primer bonding to substrate, as well as superior subsequent inter-coat adhesion.

Example:

Question:

I like to apply metallic epoxy over my Countertop, and I have multi-surfaces of metal, timber, laminate, concrete, stone and glass surfaces over the countertop. How should I ensure the surface is well-prepared and how to apply epoxy coatings?

Answer:

Prepare the surface by sanding and itching to encourage better bonding. Apply a thin coat of (roller or brush) clear 100% sold epoxy resin as Primer, then apply basecoat and subsequent decorative materials and topcoats.

For further information please contact technical team of SHIMICOAT or refer to product brochure.