

RESIDENTIAL
& COMMERCIAL

INDUSTRIAL
& MARINE

ART
& CRAFT

SHIMICOAT
SURFACE SOLUTIONS



SHIMICOAT Epoxy & Coating Materials

Topical vs Penetrating Sealers

Topical or Film Forming Coatings adhere to the surface of the substrate, similar to how paint adheres to a wall. They build up some resinous body over the surface. Topical coating materials create a protective film on the surface to protect it from moisture as well as regular wear and tear. These sealers are great for stain and chemical resistance and can provide a decorative appearance.

Topical coatings can vary greatly in their appearance and longevity depending on which sealer you choose and the type or quantity of the resin used as the sealer. All coatings will wear off over time. Sealers with high chemical resistances and high abrasion resistance will last the longest, but will also come with a higher price tag.

Penetrating Sealers or impregnating Sealers are not self levelling, they DO NOT sit on the surface. These sealers soak

into the concrete surface. Penetrating Sealers are non-film forming, so they don't change the look, texture, and natural finish of your surface.

Benefits of Topical or Film Forming Sealers:

1. Prevent contaminants such as dirt, oil, grease, stains and chemical spill from penetrating into the surface, protecting it from damage as well as making it easier to clean and maintain.
2. Protects your surface from wear and tear and exposure to the elements.
3. Available in High Gloss, Semi-Gloss and Matte Finish.
4. Can be tinted in your choice of colour to match your décor.
5. Enhancing the beauty and darkening of the surface colours.



MATERIALS



CHEMICALS



RESINS



EQUIPMENT

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There are three main types of topical coatings:

Acrylic	Single Kit, most cost effective, easiest to apply, water or solvent based, must be re-applied every 1-3 years. They are available in High Gloss, Semi Gloss, Matte Finish and also can be tinted to your desired colour. They are available in water-based and solvent-based varieties.
Epoxy	Dual Kit, most chemically resistant, high abrasion resistance, good protection against scuffs and stains, low UV resistance and susceptible to yellowing under direct sunlight. Slightly thicker than regular acrylic sealers. They are available in clear or pigmented variants. Typically re-applied every 5-10 years, bonds well with many substrates with the best intercoat adhesion.
Urethane	Dual Kit, highest abrasion resistant, high UV resistance, high chemical resistance. These can be used for both interior and exterior installations. typically re-applied every 5-10 years, will not bond directly to most substrates- usually requires an epoxy primer. Bond to epoxy extremely well.

For further information, please refer to SHIMICOAT website or contact our sales and technical representative.