

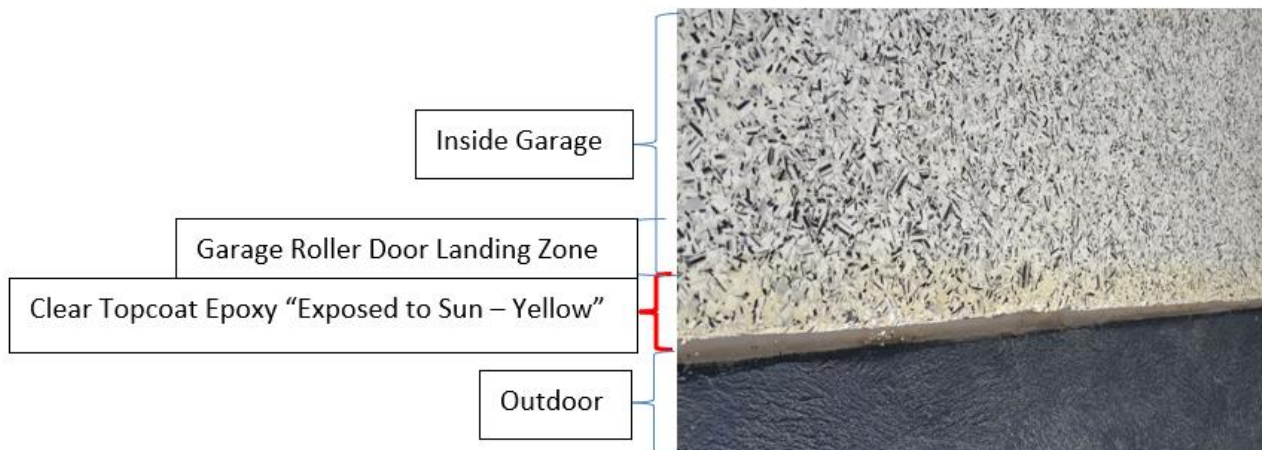
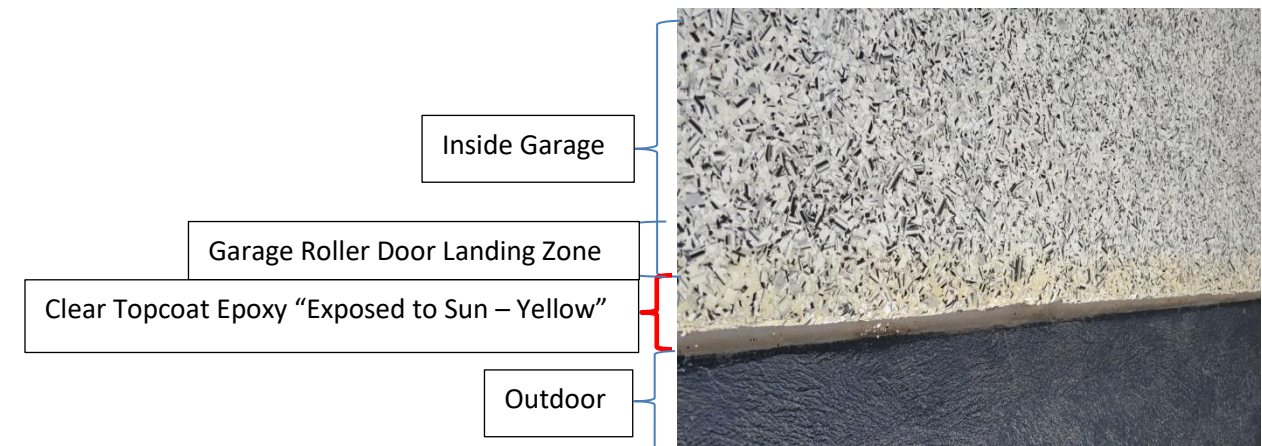
Sunshield Your Coating

Considering coating over outdoor surfaces! directly under the sun and full exposure to extreme UV radiations! Consider following three topcoat systems:

1. Acrylic
2. Polyurethane
3. Polyurea

Acrylic is the cheapest option with 5 years durability. Polyurethane is long lasting easy Cold Applied using brush, roller or microfiber mop. Polyurea is the most expensive option and normally recommended for large commercial and industrial surfaces by method of spray application.

Epoxy floor coating is one of the most popular flooring systems which is functional, modern and economical for indoor and certain outdoor applications. Epoxy can also be used for under direct sunlight and UV radiation; however, it needs to be fully covered by full broadcast flake and using UV resistant Clear Topcoat such as Polyurethane or Polyurea to ensure no yellowing may occur. If Clear Topcoat Epoxy is used over flake it may change colour to undesirable yellow, when exposed to direct sunlight UV radiations, as shown in below image:



As shown above, those exposed to sun surfaces, discolour to yellow and it continues getting darker yellow over time. Polyurea or Polyaspartic has all the good properties of Epoxy plus it is highly UV resistant and it does not change colour over time. So, what is the best coating solution?

Polyurethane, Polyurea or Polyaspartic is relatively new coating and becoming the latest favorite for installers as an alternative to epoxy for topcoat applications. SHIMICOAT offers UVthane as a Crystal-Clear Topcoat with UV resistant properties and ideally suitable for outdoor application surfaces. UVthane is a coating system to protect your floors from stains, chemicals, wear and tear, oils, and damage and UV radiation.

Coating	Pros	Cons
<i>Epoxy</i>	Epoxy coatings can be applied in various degrees of thickness. Epoxy bonds extremely well to well-prepared concrete surface. Perfect as basecoat and old concrete resurfacing. Epoxy can be applied as thick as you wish. Ideally suitable for high impact and heavy machineries.	Epoxy yellow when exposed to direct sunlight UV radiation.
<i>Polyurethane UVthane</i>	Polyurethane is more flexible than Epoxy. Polyurethane has better abrasion resistant properties. Polyurethane is an ideal choice for topcoat applications. A polyurethane floor coating is UV stable and never discolour or yellow over time.	More expensive than Epoxy

What's the Best Choice?

Epoxy as basecoat and Polyurethane as topcoat. This flooring system provide you with ideal Epoxy foundation with strong bonding ability to substrate and Ultra Clear Polyurethane (UVthane) topcoat which is highly chemical resistant and UV radiation tolerant.

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