INSTALLATION INSTRUCTIONS
40 QUARTZ SHIELD UV 1-2MM MATRIX SYSTEM
SLIP RESISTANT EPOXY BASED SYSTEM

ALL PURPOSE COATINGS

PREPARATION

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind or Polyvac the substrate. The surfaces must be clean, dry, and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil, and grease, etc. This must be completed by diamond grinding or a suitable cleaning method.
- To check that all traces of oil and other contaminants have been completely removed, sprinkle a few drops of water over the surface. If all water is quickly absorbed, the surface is sufficiently oil and grease-free.
- If water forms into globules that remain on the surface, further thorough treatment of the substrate is necessary.
- Substrate compression strength should be at least 25MPa, cohesive bond strength at least 1.5MPa, and moisture content below 4%.
- Repair and fill cracks with EPO100EP Epoxy Putty or Concrete Repair Kit.

The surface must be dry before the application of the product.
Acid or wet etching is not recommended.

PRIME COAT

- Apply a prime coat of EPO100T® Tinted Epoxy at a rate of 6m2/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- Leave to cure for approximately 24 hours or until touch dry.

BASE COAT WITH QUARTZ SHIELD BROADCAST

- Apply a second coat of EPO100T® Tinted Epoxy at a rate of 6m2/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- Wearing spike shoes, evenly broadcast Quartz Shield until refusal ensuring the entire floor has dry quartz showing.

  Do not walk over the surface once the Quartz Shield has been broadcasted onto the wet base coat.

  - The coverage rate is approximately 20-25m2/bag
- Leave to cure for approximately 24 hours or until touch dry.

If applying a second coat more of epoxy than 72 hours after the prime coat, lightly sand the floor prior to application.
The application is based on a full broadcast of Quartz Shield.

ENTRAPMENT COAT

- Scrape or broom the surface to knock off any sharp Quartz Shield.
- Use a garden blower or vacuum to remove excess and unbound Quartz from the surface.
- Apply an entrapment coat of EPO100G® Epoxy Glaze with 10% Thinners **OR** Sparta60 Polyaspatic at a spread rate of 2-3m2/L.
- Leave to cure for approximately 24 hours or until touch dry

This system is typically for residential exterior applications such as; patios, pathways, and domestic pools. This system can also be used in commercial areas in the same circumstances we would typically use flake.

Refer to individual TDS & SDS for mixing instructions, pot life, recommended PPE during preparation & application of products.

UV TOP COAT

- Apply a top coat of Sparta60 Polyaspatic at a rate of 6m2/L.
- Leave to cure for approximately 24 hours or until touch dry.
- Full chemical cure in 7 days.

Coverage rates may vary depending on the porosity of the substrate.

A Polyaspatic topcoat is required in areas such as; driveways, commercial pool surrounds, ramps & shopping centres. Independent slip testing is to be conducted after application to provide certified documentation that the coating meets or exceeds the required slip rating.

Refer to individual TDS & SDS for mixing instructions, pot life, recommended PPE during preparation & application of products.