

# INSTALLATION INSTRUCTIONS

## ULTRA FLAKE *Crystal Finish*

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

### 1 Preparation

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind the substrate. The surfaces must be clean and dry, 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.**

### 2 Prime Coat

- Apply a prime coat of EPO100T® Tinted Epoxy at a rate of 6m<sup>2</sup>/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- Leave to cure for approximately 24 hours or until touch dry.

**If applying a second coat of epoxy more than 72 hours after the prime coat, lightly sand the existing coat prior to application.**

### 3 Base Coat & Ultra Flake Broadcast

- Apply a second coat of EPO100T® Tinted Epoxy at a rate of 6m<sup>2</sup>/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- **Optional Glitter** - Mix 30g of Random Resi Glitter per 4.5kg box of Ultra Flake for a light broadcast.
- While the coating is still wet and wearing spiked shoes, broadcast the Ultra Flake up and out evenly until refusal. Avoid throwing the flake directly at the floor as you will experience clumping.
  - Nano Ultra Flake coverage: 10m<sup>2</sup>/box.
  - Small and Large Ultra Flake coverage: 12-15m<sup>2</sup>/box.
  - Jumbo Ultra Flake coverage: 20m<sup>2</sup>/box.
- Leave to cure for approximately 24 hours or until touch dry.

**This application is based on a full broadcast of Ultra Flake.**

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



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#### 4 Entrapment Coat

- Scrape or broom the surface to knock off any sharp flake and glitter.
- Use a garden blower or vacuum to remove excess and unbound flake from the surface.
- Apply the entrapment coat.
  - Option: EPO100G® Epoxy Glaze at a rate of 4-6m<sup>2</sup>/L, with 20% of 150 Epoxy Thinners, leave to cure for approximately 24 hours or until touch dry. **Use 500T Tetrathane® UV Top Coats.**
  - Option: Sparta60 Polyaspartic at a rate of 4m<sup>2</sup>/L, leave to cure for approximately 4 hours or until touch dry. **Use Sparta60 Polyaspartic UV Top Coats.**
  - Option: Sparta Guard at a rate of 3m<sup>2</sup>/L.  
**Only one coat of Sparta Guard is required. Experienced installers only.**

**If applying the UV top coat of Sparta60 Polyaspartic more than 24 hours or Tetrathane more than 72 hours after the entrapment coat, lightly sand the floor prior to application.**

#### 5 First UV Top Coat

- Apply the first UV top coat.
    - Option: 500T Tetrathane® at a rate of 6m<sup>2</sup>/L.
    - Option: Sparta60 Polyaspartic at a rate of 6m<sup>2</sup>/L.
- If a Sparta Guard Polyaspartic entrapment coat has been applied, no top coat is required.
- Leave to cure for approximately 24 hours or until touch dry.
  - Full chemical cure in 7 days.

**If applying a second top coat of Sparta60 Polyaspartic more than 24 hours or Tetrathane more than 72 hours after the first UV top coat, lightly sand the floor prior to application.**

#### 6 Second UV Top Coat

**Ensure the same product is used for both UV Top Coats.**

- Apply the second UV top coat.
    - Option: 500T Tetrathane® at a rate of 6m<sup>2</sup>/L.
    - Option: Sparta60 Polyaspartic at a rate of 6m<sup>2</sup>/L.
- If a Sparta Guard Polyaspartic entrapment coat has been applied, no top coat is required.
- Leave to cure for approximately 24 hours or until touch dry.
  - Full chemical cure in 7 days.

**Independent slip testing is to be conducted after application to provide certified documentation that the coating meets or exceeds the required slip rating.**

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

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