

# INSTALLATION INSTRUCTIONS

## ULTRA FLAKE CRYSTAL FINISH

SEMI-TEXTURED EPOXY SYSTEM



### 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 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.

### BASE COAT AND 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.
- Wearing spike shoes and whilst the coating is still wet, 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: 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.

**Application is based on a full broadcast of Ultra Flake. If applying a second coat of epoxy more than 72 hours after the prime coat, lightly sand the floor prior to application.**

### ENTRAPMENT COAT

- Lightly sand, scrape, or broom the surface to knock off any sharp flake.
- Use a garden blower or vacuum to remove excess and unbound flake from the surface.
- While wearing spike shoes, apply a gloss coat of EPO100G® Epoxy Glaze at a spread rate of 4m<sup>2</sup>/L.
  - Option: Sparta Guard at a rate of 3m<sup>2</sup>/L. **(Only one coat of Sparta Guard is required)**
- Leave to cure for approximately 24 hours or until touch dry.



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

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### UV TOP COAT

- Apply a top coat of 500T Tetrathane® **OR** Sparta60 Polyaspartic at a rate of 6-8m<sup>2</sup>/L.  
If a Sparta Guard Entrapment coat has been applied, no UV Top Coat is required.
- 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.**

**If applying a second top coat of Sparta 60 Polyaspartic more than 24 hours or Tetrathane more than 72 hours after the entrapment coat, lightly sand the floor prior to application.**

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



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