

# INSTALLATION INSTRUCTIONS

## ULTRA FLAKE®

### Rapid 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 APC 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 + EPO100MT Hardener at a rate of 6m<sup>2</sup>/L. 10% of APC Thinners is recommended depending on the substrate.
- Leave to cure for approximately 4 hours or until touch dry.

**If applying a second coat of epoxy more than 48 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 + EPO100MT Hardener at a rate of 6m<sup>2</sup>/L. 10% of APC Thinners is recommended depending on the substrate.
- **Optional Glitter** - Mix 30g of Random Resin 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.
- Leave to cure for approximately 24 hours or until touch dry.

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



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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.
- While wearing spike shoes, apply an entrapment coat of Sparta60® Polyaspartic at a spread rate of 4m<sup>2</sup>/L.
- Leave to cure for approximately 4 hours or until touch dry.

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

#### 5 UV Top Coat

- Optional Slip Resistance - Mix Dimple into your top coat at a rate of 250g/20L. If using Sparta60®, add 20% APC Thinners (e.g. for 20L of Sparta60®, use 250g of Dimple and 4L of APC Thinners).
- Apply a top coat of Sparta60® Polyaspartic at a spread rate of 6m<sup>2</sup>/L.
- Full chemical cure in 7 days.

**This should only be applied by an experienced installer.**

**Dimple cannot exceed 500g per 20L.**

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

