



# INSTALLATION INSTRUCTIONS

## ULTRA FLAKE®

### Grip 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 at a rate of 6m<sup>2</sup>/L, 10% of APC 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

- Mix in 750ml - 1L (1.1kg-1.5kg) of Quartz Shield® per 4.5kg box of Ultra Flake.
- Nano Ultra Flake® coverage: 10m<sup>2</sup>/box
- Small and Large Ultra Flake® coverage: 12-15m<sup>2</sup>/box.
- If installed correctly, Quartz Shield® 25 is expected to achieve a P5 Slip Rating and Quartz Shield® 40 is expected to achieve a P4 Slip Rating.
- Apply a second coat of EPO100T® Tinted Epoxy at a rate of 6m<sup>2</sup>/L, 10% of APC Thinners is recommended depending on the substrate.
- While the coating is still wet and wearing spiked shoes, broadcast the mix up and out evenly until refusal. Avoid throwing the flake and quartz directly at the floor as you will experience clumping.
- Leave to cure for approximately 24 hours or until touch dry.

**This application is based on a full broadcast of Ultra Flake® and Quartz Shield®. Continuously change your position while broadcasting, as throwing the mix at a distance may cause the quartz to separate from the flake.**



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#### 4 Entrapment Coat

- Broom the surface to knock off any sharp flake or quartz.
- Use a garden blower or vacuum to remove excess and unbound flake from the surface.
- Apply the entrapment coat of Sparta60® Polyaspartic at a rate of 3-4m<sup>2</sup>/L.
- Leave to cure for approximately 4 hours or until touch dry.
- Option: Sparta Guard at a rate of 3m<sup>2</sup>/L.

Only one coat of Sparta Guard is required. Experienced installers only.

**The UV Top Coat must be applied within 24 hours after the entrapment coat, as the floor cannot be sanded.**

#### 5 UV Top Coat

- Apply the top coat of Sparta60® Polyaspartic at a rate of 5-6m<sup>2</sup>/L.
- 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.**