



INSTALLATION INSTRUCTIONS

LITHO FLAKE®

Diamond 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 6m²/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 & Litho Flake® Broadcast

- Mix the Litho Flake® together in the box or bucket prior to your broadcast, to allow for large and small flake to be even throughout the dry mix.
- Apply a second **THIN** coat of EPO100T® Tinted Epoxy at a rate of 6m²/L, 10% APC Thinners is recommended depending on the substrate.
- Wearing spike shoes and whilst the coating is still wet, broadcast the Litho Flake® up and out evenly until refusal. Avoid throwing the flake directly at the floor as you will experience clumping.
- Litho Flake® coverage: 8-12m²/4.5kg box.
- Leave to cure for approximately 24 hours or until touch dry.

Using a spike roller over the Litho Flake® after broadcast ensures adhesion of the larger flake. This application is based on a full broadcast of Litho Flake®





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4 Entrapment Coat

- Heavily broom the surface to knock off any sharp flake.

Do not sand the Litho Flake® prior to the entrapment coat.

- Use a garden blower or vacuum to remove excess and unbound flake from the surface.
- While wearing spike shoes, apply the entrapment coat of EPO100G® Epoxy Glaze at a rate of 1m²/L. Apply with a lint free roller.
- Leave to cure for approximately 24 hours or until touch dry.

If applying a top coat after more than 72 hours, lightly sand the existing coat prior to application.

5 First UV Top Coat

- Apply the first UV top coat.
- Option: 500T Tetrathane® at a rate of 6m²/L. Leave to cure for approximately 24 hours or until touch dry.
- Option: Sparta60® Polyaspartic at a rate of 6m²/L. Leave to cure for approximately 24 hours or until touch dry.
- Option: Sparta Guard at a rate of 6m²/L.

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

Glaze entrapment coat will need to be sanded using 180grit sandpaper before the UV top coat is applied, if using the Sparta range of products. **If applying a second 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.**

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 6m²/L.
- Option: Sparta60® Polyaspartic at a rate of 6m²/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.

