

INSTALLATION INSTRUCTIONS UV 1-2MM MATRIX SYSTEM 50MM COVING

HIGH BUILD, SLIP RESISTANT EPOXY BASED
SYSTEM WITH COVING



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.**

50MM EPOXY MORTAR COVING

- Prime the surfaces that will be coved, using mixed EPO100C® Clear Epoxy.
- Add 1 x 20kg bag of -600 Silica Sand per 1.5L of mixed EPO100C® Clear Epoxy.
- Empty the mortar mix against the wall and use a coving tool of the required radius. Apply pressure while moving the tool along the wall and forming a coved edge. You may have to repeat this process until the cove is adequately formed.
- When using a coving tool, use a small amount of 150 Epoxy Thinners on the surface to prevent the coving mix from sticking to the tool.
- Shake excess thinners off before using the tool as too much thinners in the mortar will slow cure rates and weaken the mortar mix.

PRIME COAT

- Apply a prime coat of EPO100T® Tinted Epoxy at a rate of 6m²/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 SAND BROADCAST

- Apply a second coat of EPO100T® Tinted Epoxy at a rate of 6m²/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- Wearing spike shoes, evenly broadcast Silica Sand until refusal, ensuring the entire floor has dry sand showing.
 - Full broadcast: 20m²/20kg bag or 25m²/25kg bag.
 - Using -1 + 250 Silica Sand is expected to meet P4-P5 slip ratings.
- Leave to cure for approximately 24 hours or until touch dry.

Adding a UV top coat will reduce the slip rating and chemical resistance.

**Do not walk over sanded areas after the broadcast.
Entrapment coat must be applied 24 hours after sand broadcast.**



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

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ENTRAPMENT COAT

- Remove excess and unbound sand from coating using a garden blower or vacuum.
- Apply an entrapment coat of EPO100T® Tinted Epoxy at a rate of 4m²/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- Do not allow the epoxy to pool as this will result in an uneven texture.
- Leave to cure for approximately 24 hours or until touch dry.
- Full chemical cure in 7 days.

UV TOP COAT

- Apply a top coat of 500T Tetrathane® **OR** Sparta60 Polyaspartic at a rate of 6-8m²/L.
- 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.

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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