INSTALLATION INSTRUCTIONS

SILICA SAND EPOXY MORTAR

Crack Repair

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 Concrete Repair Kit.

The surface must be dry before the application of the product. Acid or wet etching is not recommended.

2 Prime Coat

- Prime the area to be repaired with mixed EPO100C® Clear Epoxy, using up to 10% 150 Epoxy Thinners.

3 Mixing

- Combine EPO100C® Clear Epoxy: 2 Parts A with 1 Part B. Mix thoroughly using a drill mixer.
  - Option: For standard repairs, add 20kg of Silica Sand -600 Grit to 1.5L of mixed EPO100C® Clear Epoxy.
  - Option: For stronger repairs, add 20kg of Silica Sand -600 to 3L of mixed EPO100C® Clear Epoxy.
- Mix thoroughly with a drill mixer.

4 Application

- Fill the cracks with combined mixture, using a paint scraper or spatula. Push in and scrape off the excess.
- Leave to cure for approximately 24 hours.

Repaired areas will need to be sanded or ground smooth prior to applying the first coat of epoxy.
The first coat of epoxy should not include 150 Epoxy Thinners.

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