

# INSTALLATION INSTRUCTIONS

# 25 QUARTZ SHIELD

# 1-2MM MATRIX SYSTEM

## SLIP RESISTANT

## EPOXY BASED SYSTEM



### 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.**

### PRIME COAT

- Apply a prime coat of EPO100T® Tinted Epoxy at a rate of 6m<sup>2</sup>/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 WITH QUARTZ SHIELD BROADCAST

- Apply a second coat of EPO100T® Tinted Epoxy at a rate of 6m<sup>2</sup>/L, 10% of 150 Epoxy Thinners is recommended depending on the substrate.
- Wearing spike shoes, evenly broadcast Quartz Shield until refusal ensuring the entire floor has dry quartz showing.  
**Do not walk over the surface once the Quartz Shield has been broadcasted onto the wet base coat.**
  - The coverage rate is approximately 15-20m<sup>2</sup>/bag
- Leave to cure for approximately 24 hours or until touch dry.

**If applying a second coat more of epoxy than 72 hours after the prime coat, lightly sand the floor prior to application.**  
**The application is based on a full broadcast of Quartz Shield.**

### ENTRAPMENT COAT

- Broom the surface to knock off any sharp Quartz Shield.
- Use a garden blower or vacuum to remove excess and unbound Quartz from the surface.
- Apply an entrapment coat of Sparta60 Polyaspartic at a spread rate of 2-3m<sup>2</sup>/L.
- Leave to cure for approximately 4 hours when applying Sparta60 Polyaspartic.

**For applications in commercial kitchens, chemical bunds, meatworks, food processing, manufacturing or similar where maximum chemical and slip resistance is required, applying a second coat of EPO100G® as epoxy has the highest chemical resistant with no UV top coat**



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

# INSTALLATION INSTRUCTIONS 25 QUARTZ SHIELD 1-2MM MATRIX SYSTEM

SLIP RESISTANT  
EPOXY BASED SYSTEM



## UV TOP COAT

- Apply a top coat of Sparta60 Polyaspartic at a rate of 4 - 6m<sup>2</sup>/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.**

## CAUTIONS

- Quartz Shield is not suitable for areas with excessive cracking or movement.



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