

THIS METHOD STATEMENT COVERS THE PREPARATION AND APPLICATION OF **MasterSeal P 243** - MULTI COMPONENT POLYURETHANE PRIMER FOR CONCRETE SURFACES TO RECEIVE MASTERSEAL TRAFFIC AND OTHER POLYURETHANE BASED FLOORING SYSTEMS.

**METHOD STATEMENT: MasterSeal P 243**

**1. SUBSTRATE PREPARATION:**

- 1.1. Prior to starting preparation, close the area to be prepared to all traffic and other trades.
- 1.2. The preferred methods of substrate preparation are; Captive blasting using medium shot, or surface grinding with a light captive blast to open the pores of the concrete.
  - 1.2.1. NOTE: Acid etching should not be used.
- 1.3. If any part of the floor is contaminated by oil, grease or fat, the contamination should be removed before other forms of preparation are undertaken.
- 1.4. At free edges such as aisle ways and doorways the floor topping should be terminated properly. Cut a groove in the substrate along the line of termination. The groove to be 3-5 mm in depth.
- 1.5. Prepare the concrete substrate using the chosen method, removing all laitance and weak or friable concrete. The finished surface should have the texture of medium sandpaper.
- 1.6. Surface defects exposed during surface preparation such as shrinkage cracks, blow holes, minor honey combing, minor damage to joint arises, etc. shall be filled with **MasterTop 2200** a thixotropic two component surface filler.
- 1.7. When the initial floor preparation is complete, vacuum the area to remove all dust, debris and loose sand, etc.
- 1.8. Protect areas such as the bottom of walls and columns that may be splashed.
- 1.9. Place 50 mm wide masking tape along free edges and any day joints that may be required.

**APPLICATION PRECAUTIONS TO BE FOLLOWED:**

- All products to be pre-conditioned to the correct temperatures for at least 24 hours prior to application (<25°C)
- Surface temperature to be checked and within acceptable limits (>5°C and < 35°C)
- **Humidity levels within the area to be checked and MUST be <80%**. If necessary and (is) recommended the areas to be coated should where possible / practical be air-conditioned to ensure the above parameters are met.
- **Application should only take place when the surface temperature is at least 5°C above the dew point and all above conditions are met.**

**2. MIXING AND APPLICATION:**

**2.1. MasterTop P 243 (High Build Three Component Primer)**

- 2.2. Mix the base (PTA) and reactor (PTB) components of **MasterTop P 243** together, for a minimum of one minute until it is free of streaks and then add the powder component (PTC) and mix for 2-3 minutes until a uniform even mix is achieved. Mix at low speed (<300 rpm) and with a Collomix DLX 152 M type mixing paddle.
- 2.3. Apply the mixed **MasterTop P 243** to the substrate, using a rubber squeegee or straight edged flooring trowel at a rate of **0.65 kg/m<sup>2</sup>** and immediately back roll with a short nap paint roller to level out any trowel / squeegee marks. As the pot-life of the **MasterTop P 243** is relatively short it is imperative that an adequate workforce and equipment is on hand.
- 2.4. Immediately and evenly broadcast **MasterTop SR 3** into the wet primer at a rate of **1.5 - 2.0 kg/m<sup>2</sup>**.
- 2.5. Allow to cure for approx. 12 hours at 25°C. **MUST be overcoated within 24 hours of application irrespective of temperature.** Ensure the applied primer coat is NOT exposed to water or moisture / high levels of humidity during this period.

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