

THIS METHOD STATEMENT COVERS THE PREPARATION & APPLICATION OF **MasterTop 1200**.

METHOD STATEMENT: MasterTop 1200 – Surface Primer / Sealer

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, high pressure water jetting, scarifying (using Bartel, Erut, Von Arx or similar equipment) or surface grinding.
- 1.3. NOTE: Acid etching should not be used unless there is no other suitable means of preparation. If acid etching is used, great care should be taken to ensure all acid residue is removed, by washing the floor thoroughly with copious amounts of water.
- 1.4. 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.
- 1.5. At free edges such as aisleways and doorways the floor topping should be terminated properly. Cut a groove in the substrate along the line of termination. The groove to be at least as deep as the thickness of the topping with the inner edge cut at a 20° angle.
- 1.6. 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 to coarse grit sandpaper (Surface Profile CSP 2-3 as a guide).
- 1.7. Surface defects exposed during surface preparation such as shrinkage cracks, blow holes, minor honey combing, minor damage to joint arrises, etc. shall be filled with **MasterBrace ADH 2200** a thixotropic two component surface filler.
- 1.8. Larger repairs can be carried out using products from the **MasterEmaco** repair range.
- 1.9. NOTE: When it is known prior to starting work on the floor that repairs are required, the repairs should be executed before general preparation is undertaken.
- 1.10. Remove joint sealant if installed.
- 1.11. Place joint backer rod in joints, with the top of the backer rod either flush or 1-2 mm above the floor surface. Push nails between the backer rod and the side of the joint, leaving the nails protruding, to act as markers. **MasterTop 1200 should** be applied over the joint, the joint being cut out later.
- 1.12. When floor preparation is complete, vacuum the area to remove all dust and debris.
- 1.13. Protect areas such as the bottom of walls and columns, that may be splashed when the wet epoxy is being applied.
- 1.14. Place 50 mm wide masking tape along free edges.

2. APPLICATION PROCEDURES:

- 2.1. Before starting application of the flooring system, ensure that all materials and tools are on hand to allow completion of the work, the floor is dry and dust free.
- 2.2. Ensure that the mixing equipment is adequate, with a backup mixer available in case of a break down.
- 2.3. A slow speed (300 – 600 rpm) heavy-duty electric drill or hand-held mixer fitted with a **Collomix DLX** mixing head or similar.
- 2.4. Security of the power supply should be verified.
- 2.5. **MasterTop 1200** should be applied using high quality short / medium nap paint rollers and or a soft rubber squeegee.
- 2.6. Do not start the application if the substrate and air temperatures are less than 12°C. Ideally the temperatures should be in the range of 18-30°C and should be 3°C above the dew point.
- 2.7. Do not apply when the relative humidity is greater than 90%, or the dew point is reached.
- 2.8. Do not apply in direct sunlight.
- 2.9. During hot weather, it is preferable to apply **MasterTop 1200** in the late afternoon or early evening, when the temperature is falling, if the temperature of the building is not controlled.

3. SURFACE PRIMING / SEALING:

- 3.1. Prior to the application of **MasterTop 1200** it should be diluted with 0.5 L of Xylene / Acetone / MEK type thinners.
- 3.2. Pour the reactor (PTB) into the base (PTA), then mix the components together for 1-2 minutes using a slow speed drill (300 - 600 rpm) fitted with a **Collomix DLX** mixer head, then add the solvent and mix for no less than 1 minute.
- 3.3. Depending on surface texture, use a short or medium pile roller, to apply the mixed material to the prepared substrate, ensuring total coverage. Application rates will vary depending on substrate roughness and absorption, but should be in the range of 6-8 m²/L.
- 3.4. Allow the sealer coat to cure to a tack free state before starting application of the relevant flooring system / topcoat.
- 3.5. Any areas showing a dull “matt” appearance should be re-primed and again allowed to cure (this indicates a very porous concrete surface).



**Recommended mixing paddle
for MasterTop 1200**

Collomix DLX or similar

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