

THIS METHOD STATEMENT COVERS THE PREPARATION AND APPLICATION OF **MasterTop 1325 REG**, A HIGH COMFORT NOISE REDUCING SEAMLESS ELASTIC POLYURETHANE BASED FLOORING SYSTEM.

## **METHOD STATEMENT: MasterTop 1325 REG**

### **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 followed by a light captive blast to open the pores of the concrete – grinding alone tends to “polish” the concrete.
- 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 at least as deep as the thickness of the topping with the inner edge cut at a 20° angle.
- 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 to coarse sandpaper. **Direct tensile testing of the prepared concrete surface must produce a result of >1.5N/mm<sup>2</sup>.**
- 1.6. Surface defects exposed during surface preparation such as shrinkage cracks, blow holes, and any minor damage to joint arrises, etc. shall be filled with **MasterTop 2200** thixotropic 2 component surface filler.
- 1.8. 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. Place joint backer rod in joints, with the top of the backer rod either flush with the floor surface. Push nails between the backer rod and the side of the joint, leaving the nails protruding, to act as markers. **MasterTop 1325 REG** will be laid over the joint, the joint being cut out later.
- 1.11. When floor preparation is complete, vacuum the area to remove all dust and debris.
- 1.12. Protect areas such as the bottom of walls and columns that may be splashed when the wet epoxy is being rolled with the spiked roller.
- 1.13. Place 50mm wide masking tape along free edges.

**2. SURFACE CONDITIONING: MasterTop P 650.**

- 2.1. Mix the Part A and Part B of **MasterTop P 650** together until streak free using a slow speed drill and suitable (Collomix KR) mixing head.
- 2.2. Apply the mixed **MasterTop P 650** to the dust free prepared concrete substrate using a medium pile roller at the rate of **0.15 kg - 0.3 kg/m<sup>2</sup>**.

**NB: Above coverage rate will depend on substrate profile and porosity and does not include for any wastage.**

- 2.3. Immediately blind with **MasterTop SR 3** at a rate of 1kg/m<sup>2</sup> and allow to cure (typically overnight).
- 2.4. Once the **MasterTop P 650** is totally tack-free vacuum off all loose sand.

**2.5. Overcoat within 24 hours for maximum adhesion.**

**Note: The following processes ALL use Polyurethane based materials that ARE susceptible to humidity. It is imperative that the temperature of the materials and atmospheric conditions within the working area be carefully controlled.**

**Ambient Temperature 20 to 25°C Max.**

**Surface Temperatures >3°C ABOVE DEW POINT AT ALL TIMES.**

**Humidity Level < 75%**

**3. Adhesive for MAT: MasterTop AD 170**

- 3.1. Mix the Part A and Part B of **MasterTop AD 170** together, for not less than one minute, using a slow speed drill (300 – 350 rpm) with suitable mixing paddle (**Collomix KR**) and mix until a uniform colour is obtained.
- 3.2. When mixing ensure that the mixing head is worked around the sides and bottom of the mixing vessel.
- 3.3. Apply the mixed material onto the substrate and spread at the rate of 1.25 – 1.5 kg/m<sup>2</sup> using a 4mm notched trowel.

**NB: Above coverage rate does not include for any wastage.**

- 3.4. Apply the precut 4mm thick Acoustic mat into the wet adhesive and roll out perfectly flat, place suitable weights at all corners and along the edges to prevent curling.
- 3.5. After approximately 30 minutes use a 50kg steel roller to ensure the mat is fully bonded and all air pockets, etc. are removed.
- 3.6. Protect the installed rubber mat from any possible contact with water for at least 24 hours and ideally cover to protect and keep clean.

**At this stage the flooring process can be “held” until necessary as there is no overcoating limitation at this point in the process.**

#### **4. PORE SEALER: MasterTop BC 328 FLR**

- 4.1. Add the Part B to the Part A container ensuring ALL the Part B materials is removed from its container and mix together for not less than two minutes using a slow speed drill (300 – 350 rpm) with suitable mixing paddle (**Collomix KR**). When mixing, ensure that the mixing paddle head is worked around the sides and bottom of the mixing vessel. Pour the mixed material into a clean container and mix for a further 1 minute.
- 4.2. Pour the mixed material onto the clean rubber mat surface and spread at the rate of 1.25 - 1.5 kg/m<sup>2</sup> using a straight edge trowel or hard rubber squeegee ensuring the material is forced into the pores of the rubber mat.

**NB: Above coverage rate does not include for any wastage.**

- 4.3. Allow to cure for 12 hours at 20°C before applying the bodycoat **MasterTop BC 325N**.

Overcoating times are reduced at higher temperatures.

#### **5. BODY COAT: MasterTop BC 325N (2mm)**

- 5.1. Mix the Part A and Part B of **MasterTop BC 325N** together, for not less than 3 minutes, using a slow speed drill (300 – 350 rpm) with suitable mixing paddle (Collomix DLX). When mixing, ensure that the mixing paddle head is worked around the sides and bottom of the mixing vessel and keep the mixing paddle submerged to prevent entraining air into the mix. Pour the mixed material into a clean container and mix for a further 1 minute.
- 5.2. Pour the mixed material onto the substrate and spread at a thickness of 2 mm (WFT) using a pin rake or 4mm notched trowel.

**NB: Above coverage rate does not include for any wastage or unevenness of the substrate.**

- 5.3. Roll the **MasterTop BC 325N** with a spiked roller to release trapped air and assist with leveling.
- 5.4. Allow to cure for 12 hours at 23°C before applying the 1<sup>st</sup> of two coats of **MasterTop TC 682**. Over coating times are reduced at higher temperatures.

---

**STATEMENT OF RESPONSIBILITY**

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

---

---

**NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

---