

THIS METHOD STATEMENT COVERS PREPARATION AND APPLICATION OF **MasterTop 1240 T**.

METHOD STATEMENT: MasterTop 1240 T

1. SUBSTRATE PREPARATION:

- 1.1. The preferred methods of substrate preparation are; captive blasting, scarifying (using Bartel, Erut, Von Arx or similar machines) or grit blasting. Acid etching is not recommended.
- 1.2. Light contaminations of oil, grease, fats or similar should be removed before starting other forms of preparation using degreasing solutions. If deep contamination is present it should be treated by hot compressed air.
- 1.3. If the substrate has been damaged by physical or chemical attack, it should be cut back until sound dense uncontaminated concrete is exposed. Repair can be carried out using **MasterTop 1240 T**. If the repairs are deeper than 15mm the **MasterTop 1240 T** can be filled out with **MasterTop SR 3**. For deep repairs use 6-10mm aggregate at 1:1 by weight of aggregate.
- 1.4. When repairs are executed with cementitious products, they should be cured properly before applying the epoxy screed.
- 1.5. If the flatness of the finished floor is important, high spots shall be ground off and low spots filled out.
- 1.6. When repairs and levelling are complete, the final surface preparation shall be carried out to remove all laitance and weak or friable concrete, leaving aggregate exposed.
- 1.7. Remove all dust and debris from the prepared surface.
- 1.8. Close the prepared areas to vehicular and pedestrian traffic.
- 1.9. Set levelling pads if required, to achieve a level surface, and allow to set.
- 1.10. Select flat steel strip of a suitable thickness for use as screed battens, if they are to be used.

2. PRIMING:

- 2.1. Prime the prepared concrete substrate using **MasterTop SR 3** or **MasterTop P 650**.
- 2.2. Mix components A and B together using a paint stirrer, pallet knife or similar until it is streak free.
- 2.3. Using a paint brush or medium pile paint roller, apply the mixed primer to the prepared substrate.
- 2.4. Allow the primer to wet out the concrete for 30 minutes before applying the **MasterTop 1240 T**.

- 2.5. If the concrete absorbs the primer in patches giving a matt appearance instead of a wet glossy surface, re-prime the dry areas.
- 2.6. If the concrete is very absorbent or blisters appear in the **MasterTop 1240 T**, double priming is required, apply primer then lightly scatter **MasterTop SR 3** onto the wet substrate and allow to cure then prime and lay **MasterTop 1240 T** as normal.

Note: **MasterTop 1240 T** must always be applied into wet primer.

Note: Before priming begins ensure there is sufficient material available to complete the intended area.

Ensure the mixing equipment is working and that a back up mixer is available in case of a breakdown.

When using electrically powered mixing equipment verify the security of the power supply. Ensure that sufficient screed battens of the correct thickness are available and clean.

3. MIXING:

- 3.1. Forced action mixers such as Mixal, Creteangle, or similar are preferred, but **MasterTop 1240 T** can be mixed using a heavy-duty slow speed (300rpm) electric drill fitted with a spiral mortar mixing paddle if the drill is reversible. The electric drill should be rated at 900 watts or more. A standard spiral mixer can be used.
- 3.2. Pour the total contents of the A and B resin components into the mixing vessel, then mix until a uniform streak free colour is obtained. If a colour pack is to be included, add the A component, before mixing with B.
- 3.3. With the mixer running, pour the total contents of the bag of aggregate steadily into the mixer, and mix for a further four minutes.

4. APPLICATION:

- 4.1. Spread the mixed **MasterTop 1240 T** between the previously placed screed battens and strike off to level, alternatively a screed box may be used to spread the material to the required thickness.
- 4.2. Compact the placed material using a wood or plastic float.
- 4.3. Close the surface using a steel float or power trowel. Overworking with the steel float can result in burnish marks.
- 4.4. Regularly clean the face of the steel float, using a cloth dampened with a suitable thinner (Xylene / MEK / Acetone), whilst finishing the **MasterTop 1240 T**.

5. SEALING:

- 5.1. **MasterTop 1240 T** can be overcoated with an initial seal coat of **MasterTop 1200** mixed with a thixotropic agent (Cabosil) or **MasterTop 1200** mixed with a single colour pack at 0.3kg/m² (mixed material), followed by one top coat of **MasterTop 1120** at 0.1 L/m².
- 5.2. The thixotropic seal coat can be applied as soon as the **MasterTop 1240 T** is hard enough to walk on.
- 5.3. The **MasterTop 1120** Top Coat can then be applied after a further 8-10 hours.

6. WATCHPOINTS:

- 6.1. Do not apply **MasterTop 1240 T** when the substrate is less than 10°C or when the ambient temperature will fall below 10°C during application or curing, unless heating equipment is available to raise the ambient temperature.
- 6.2. Primer should always be wet for screed application, do not allow to gel.
- 6.3. Do not apply too much primer, it should not be allowed to pool.
- 6.4. Never mix more material than can be laid within the open time of the product.
- 6.5. Do not attempt to remix material once it starts to stiffen, discard the material and mix a fresh unit.

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