

THIS METHOD STATEMENT COVERS THE SURFACE PREPARATION, MIXING & HAND APPLICATION OF **MasterTop SL 144**, A SINGLE COMPONENT, SELF SMOOTHING, FAST SETTING, CEMENT BASED FLOOR UNDERLAYMENT (THICKNESS 1-15mm).

METHOD STATEMENT: MasterTop SL 144 (Hand Application)

This product is only suitable for internal floor surfaces not subject to moisture ingress etc.

APPLICATION METHOD

1. SUBSTRATE PREPARATION:

- 1.1. Identify the area to be treated with the **MasterTop SL 144**.
- 1.2. Repairs to the floor substrates (if required) should be carried out before the application of the **MasterTop SL 144**.
- 1.3. Repairs at joints (if present) should be carried out as per the Master Builders Solutions Joint Repair Procedure.
- 1.4. The surface must be mechanically prepared to remove laitance or contaminants such as oil, grease, adhesives or resin coatings /compounds.
- 1.5. This is best achieved by abrasive tools such as diamond grinders for small areas or captive shot blasting or mechanical scarifying for larger areas.
- 1.6. Vacuum the surface prepared area to remove dust and other debris. **Not to be used for external applications.**

2. SEALING / PRIMING:

- 2.1. Pre-wet floor with clean water and completely remove any standing water.
- 2.2. Roller apply the first seal coat of **MasterTile P 302** (at approx rate of 0.2 L/m²), to the pre-wet floor, mixed at a ratio of 1:1 with water, to seal to the concrete surface.
- 2.3. **NB:** Do not allow the material to “pond” and once applied allow to surface dry.
- 2.4. Absorbent / Porous Substrates should be primed twice. Roller apply the second sealer coat of **MasterTile P 302** (at approx. rate of 0.07 L/m²) mixed at a ratio of 1:1 with water.
- 2.5. **NB:** Do not allow the material to “pond” and once applied allow to surface dry.

3. MIXING / APPLICATION:

- 3.1. Install temporary barrier strips to prevent the compound from overflowing into perimeter joints or drains and close any windows and doors to ensure a draught free environment. In warm or hot weather ensure cool water is available for mixing. Store the bags of **MasterTop SL 144** in a cool dry area.
- 3.2. Once the primer / sealer coat is dry, the **MasterTop SL 144** can be mixed and applied as per the table below:

Thickness	Mix Proportions	Application Method	Mix Yield
1-15mm	1 x 25kg bag MasterTop SL 144 mixed with 5.0-5.5 L of potable water.	Self-smoothing. Notch trowel / pin screed, spike roller.	15 L

- 3.3. Place the required amount of mixing (chilled/potable) water (**5.5 L Max**) into a suitable container. Using a suitable slow speed (300 - 600 rpm) heavy duty handheld mixer (Collomix Xo6 or similar) fitted with a mixing paddle (Collomix DLX), start mixing while slowly adding the powder within 2 minutes and then mix for another 1 minute. (Total mixing time 3 minutes minimum) Allow the mixed **MasterTop SL 144** material to stand for another 3 minutes and then remix for 1 minute prior to application.
- 3.4. **NB:** A minimum of 2 mixing containers is required and a spare mixing drill should also be available in case of breakdown.
- 3.5. Once mixed, apply the **MasterTop SL 144** to the prepared sealed substrate floor by pouring out to the required thickness by notched trowel / notched surface scraper or pin screed (**1-15mm maximum**).
- NB: If a thickness >15mm is required, please consider using MasterTop 522.**
- 3.6. Spike roller the applied material to assist air release and to minimize pinholes.
- 3.7. Allow to dry naturally (no curing is required), but at all times protect from drying through exposure to surface winds and sunlight.
- 3.8. Final floor finish can be applied over **MasterTop SL 144** after a minimum of 24 hours. This time is dependent on thickness, substrate and ambient temperatures but generally should be around 24 to 48 hours. (Moisture level to be checked with suitable electronic moisture meter).
- Do not apply MasterTop SL 144** at substrate temperatures below 5°C or above 40°C.
- 3.9. In conditions of low humidity; high ambient temperatures; direct sunlight or draught, the installation must be shaded or sheltered, and the surface covered as soon as it is firm enough to walk on to prevent it drying too fast.
- 3.10. Sudden temperature changes during application must be avoided.

STATEMENT OF RESPONSIBILITY

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