

THIS METHOD STATEMENT COVERS THE SURFACE PREPARATION, MIXING & HAND APPLICATION OF **MasterTop SL 155 Rapid**, A SINGLE COMPONENT, SELF SMOOTHING, FAST SETTING, CEMENT BASED FLOOR UNDERLAYMENT (THICKNESS 0.5–20mm).

METHOD STATEMENT: MasterTop SL 155 Rapid (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 155 Rapid**.
- 1.2. Repairs to the floor substrates (if required) should be carried out before the application of the **MasterTop SL 155 Rapid**.
- 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 for larger areas. Where required thicknesses are known to be in excess of 10mm surface preparation can be carried out using light scarification.
- 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** (Approx. rate of 0.20 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. Roller apply the second sealer coat of **MasterTile P 302** (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 155 Rapid** in a cool dry area.
- 3.2. Once the primer / sealer coat is dry, the **MasterTop SL 155 Rapid** can be mixed and applied as per the table below:

Thickness	Mix Proportions	Application Method	Mix Yield
0.5-10mm	1 x 25kg bag MasterTop SL 155 Rapid mixed with 5.0-5.5 L of potable water.	Self-smoothing. Notch trowel / pin screed, spike roller or mixer/pump.	15.0 L
10-20mm	1 x 25kg bag MasterTop SL 155 Rapid + 7.5kg MasterTop SR 3 sand mixed with 5.0-5.5 L of potable water.	Self-smoothing. Ideally placed by pump with level pegs	18.0 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 (350-600 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 155 Rapid** material to stand for another 3 minutes and then remix for 1 minute prior to application.

NB: A minimum of 2 mixing containers is required and a spare mixing drill should also be available in case of breakdown.

NOTE: When using with the addition of the filler sand (**MasterTop SR 3**) for thicknesses in excess of 10mm slowly add the filler during the initial mixing stage along with the **MasterTop SL 155 Rapid** powder. This may require the use of a larger and more robust mixer such as a “Hippo” mixer. It will also allow larger volumes to be mixed quickly. It should not be placed using an automated mixer/pump as the sand content cannot be controlled. It would be preferable to mix with a suitable large-scale mixer (Hippo) and then use a separate suitable stator / rotor pump with a Ø35-50mm delivery hose.

- 3.4. Once mixed, apply the **MasterTop SL 155 Rapid** to the prepared sealed substrate floor by pulling out to the required thickness (**0.5-10mm**) by notched trowel / notched surface scraper or pin rake. **It is advisable to pump the material when applications are in excess of 10mm and up to a maximum of 20mm.**
- 3.5. Spike roller the applied materials (<10mm thickness only, thicker application with sand addition does not require spike rolling) surface only to assist air release and to minimize pinholes.
- 3.6. Allow to dry naturally (no curing is required), but at all times protect from drying through exposure to surface winds and sunlight.
- 3.7. Final floor finish can be applied over **MasterTop SL 155 Rapid** when it can be walked on. This time is dependent on thickness, substrate and ambient temperatures but generally should be around 90 minutes.
- 3.8. **Do not** apply **MasterTop SL 155 Rapid** 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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NOTE

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