THIS METHOD STATEMENT COVERS THE MIXING & APPLICATION OF **MasterTop BC 1245.**

METHOD STATEMENT: MasterTop BC 1245 (10-50 mm)

1. SUBSTRATE PREPARATION:

1.1. The preferred methods of substrate preparation are captive blasting or mechanical scarifying (using Bartel, Erut, Von Arx or similar machines). 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.

1.4. If the flatness of the finished floor is important, high spots shall be ground off and low spots filled out.

1.5. Remove all dust and debris from the prepared surface.

1.6. Close the prepared areas to vehicular and pedestrian traffic.

1.7. Set levelling pads if required, to achieve a level surface, and allow to set.

1.8. Select flat steel strip of a suitable thickness for use as screed battens, if they are to be used.

1.9. The **MasterTop BC 1245** should not be applied onto any floor substrate where moisture content exceeds 5% moisture content (**BS 8204 – 6: 2001 – Item 9.2.2 (b)**)

A water vapour emission control membrane is not required if the moisture content in the parent concrete or screed is less than <5%.

2. OPTIONS: PRIMING

2.1. **Option 1: MasterTop P 650 (Low Viscosity Two Component Primer for Dense, Low Porous Substrates)**

2.2. Mix Part A and Part B components of **MasterTop P 650** together until it is free of streaks.

2.3. Apply the mixed **MasterTop P 650** to the substrate, using a medium pile roller at the coverage rate of **0.15 kg – 0.30 kg/m^2** depending on the absorption of the substrates.

The surface of the primer must be wet and glossy at the time of applying the MasterTop BC 1245. If the concrete very quickly absorbs the primer in patches giving a matt appearance instead of a wet glossy surface, immediately re-prime the matt areas.

2.4. **Option 2: MasterTop P 651 (High Build Three Component Primer)**

2.5. Mix the Part A and Part B components of **MasterTop P 651** together, for a minimum of 1 minute until it is free of streaks and then add the Part C powder component and mix for 2 minutes until a uniform even mix is achieved.

2.6. Apply the mixed **MasterTop P 651** to the substrates, using a medium pile roller or steel trowel / squeegee at the rate of **0.3 kg – 0.35 kg/m^2** depending on the absorption of the substrate.

2.7. **The surface of the primer must be glossy at the time of applying the MasterTop BC 1245.** If the concrete very quickly absorbs the primer in patches giving a matt appearance instead of a wet glossy surface, immediately re-prime the matt areas.

2.8. Allow the applied **MasterTop P 650 / MasterTop P 651** primer to wet out the concrete for 30 minutes before applying the **MasterTop BC 1245.**

Note: MasterTop BC 1245 must always be applied onto wet primer.

2.9. Prior to priming, ensure there is sufficient **MasterTop BC 1245** to complete the intended area.

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

3. MIXING:

3.1. Forced action mixers such as mixal, creteangle, or similar are preferred, but **MasterTop BC 1245** can be mixed using a double – head heavy-duty handheld mixer **(Collomix Xo 55 Duo)** fitted with spiral mortar-mixing paddles.

3.2. Pour the total contents of the Part A and Part B resin components into the large mixing vessel and mix for 1 minute until a uniform streak free colour is obtained.

3.3. With the mixer running, pour the total contents of the bag of aggregate steadily into the mixer, and mix for a further 3-4 minutes until all aggregates are fully wetted out.

4. APPLICATION:

4.1. Spread the mixed **MasterTop BC 1245** between the previously placed screed battens and strike off to the required level at the following coverage rate:

A 30.19 kg unit of **MasterTop BC 1245** yields 15 L

This equates to 2 kg / mm / m².

4.2. Compact the placed material using a wood or plastic float.

4.3. Close the surface using a steel trowel or by using a lightweight power trowel (such as a hover-trowel or similar). Overworking the **MasterTop BC 1245** can result in burnish marks.

4.4. Clean the face of the finishing towels or power trowel regularly by using a cloth dampened with a suitable solvent such as Xylene or MEK during the finishing of the **MasterTop BC 1245**.

5. WATCHPOINTS:

5.1. Do not apply **MasterTop BC 1245** 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.

5.2. Primer should always be wet for screed application, do not allow to gel.

5.3. Do apply too much primer, it should not be allowed to pool.

5.4. Never mix more **MasterTop BC 1245** than can be laid within the open time of the product.

5.5. Do not attempt to remix material once it starts to stiffen, discard the material and mix a fresh unit.

6. Health and Safety – Ventilation

6.1. BS 8204 – 6: 2001 – Item 10

Certain synthetic resin flooring components may be classified as hazardous under health and safety legislation. Before starting any operations, the manufacturers **Materials Safety Data Sheets** should be studied for all the flooring products to be applied, including resin components, primers, cleaning solvents and all recommendations therein followed. An appropriate risk assessment should be made for the flooring installers and others likely to be affected in adjacent areas.

6.2. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of confined space filter mask to be used.
If these are not sufficient to maintain concentrations of particulate and solvent vapor below the OEL (=Occupational Exposure Limit) suitable respiratory protection must be worn.