

Quickmast 350MLS Method Statement (Solvent free epoxy lining and benching mortar)

Section A : General Comments

High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working place:

- (i) Store unmixed materials in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- (ii) Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
- (iii) Try to avoid application during the hottest times of the day, arrange temporary shading as necessary.
- (iv) Make sufficient material, plant and labour available to ensure that application is a continuous process.

Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

<i>Personal protection</i>	:	<i>Protective overalls</i>
	:	<i>Good quality gloves, goggles and face mask</i>
<i>Equipments</i>	:	<i>Wire brush</i>
<i>Mixing equipment</i>	:	<i>Slow speed mixer fitted with large mixing paddle</i>
	:	<i>Clean empty bucket (25 litre)</i>
<i>Application equipment</i>	:	<i>Hand application trowel</i>
	:	<i>Wooden float</i>
	:	<i>Steel or plastic finishing float</i>

Section B : Application

1.0 Preparation

- 1.1 The surface of the substrate should be thoroughly cleaned to remove all traces of dust, oil, paint, curing compounds, grease, corrosion deposits, algae or any unsound material which might affect subsequent bond between Quickmast 350MLS and the substrate.
- 1.2 Oil and grease deposits are best removed by steam cleaning, detergent scrubbing or the use of a proprietary degrease. The effectiveness of decontamination should then be assessed by a pull-off test.
- 1.3 Prior to application of Quickmast 350MLS, all active hydrostatic leaks must be stopped by using Setplug or Quickmast 110 and Quickmast 120.



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2.0 Priming

- 2.1 Only highly porous substrates or where build/sag requirements are critical, priming using Strongcoat Primer ML.
- 2.2 The primer should be scrubbed well into the prepared substrate, taking care that all imperfections in the surface are properly coated, avoiding “ponding” in depressions.

3.0 Mixing

- 3.1 Care should be taken to ensure that Quickmast 350MLS is thoroughly mixed to produce a fully homogeneous, trowellable mortar.
- 3.2 The hardener and base components should be stirred thoroughly in order to disperse any settlement before mixing them together.
- 3.3 The entire contents of the hardener and base can should be emptied into the mixing vessel and thoroughly mixed for 3 minutes.
- 3.4 While mixing the hardener and the base, slowly add the entire bag of aggregate into the mixing bucket and mix for a further 3 minutes until the aggregate is thoroughly wetted out with the mixed resins.
- 3.5 **Under no circumstances** should part bags be used. Multi-pack mixing is possible by using a forced action mixer of suitable capacity.

4.0 Application

- 4.1 Quickmast 350MLS should be applied as soon as the primer has started to gel but still has surface “tack”. If the Strongcoat Primer ML has already cured hard, a second application must be made before application of Quickmast 350MLS.
- 4.2 Apply the mixed Quickmast 350ML to the prepared substrate by a spatula or steel float, pressing firmly into place to ensure positive adhesion and full compaction. Thoroughly compact the mortar around the exposed reinforcement.
- 4.3 On vertical surface, apply Quickmast 350MLS in a maximum thickness of 12 mm to avoid sagging.

5.0 Build-up

- 5.1 Additional build-up can be achieved by application of multiple layers.
- 5.2 To obtain thicker sections, the surface of the intermediate application should not be closed, in order to provide a suitable surface for subsequent layers.
- 5.3 Application of subsequent layers should follow between 24 and 36 hours (@ 20°C) after first application.

6.0 Finishing

- 6.1 To close the surface and to create a smooth, impermeable finish lubricates the trowel with clean water.
- 6.2 Quickmast 350ML is finished by the use of a wood float and closed with a steel trowel. The completed surface should not be overworked.

7.0 Cleaning

- 7.1 Strongcoat Primer ML and Quickmast 350MLS should be removed from tools with **DCP Solvent**, **immediately** after use.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Quickmast 350MLS**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



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