Method Statement

Cemtop 250T

Section A : General Comments

High temperature working

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

(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 :

Protective clothing	:	*Protective overalls*
	:	*Good quality gloves, goggles and face mask*
Preparation equipment	:	*Wire brush*
	:	*Proprietary blasting equipment*
Mixing equipment	:	*Measuring jug*
	:	*1 KW slow speed drill, 400 or 500 rpm, plus Fosroc MR3 mixing paddle and suitably sized mixing vessel, or Forced-action mixer, fitted with a suitable paddle, or Putzmister - 80 mixing and pumping equipment*
Application equipment	:	*Steel trowel*
	:	*Fosroc Spiked Roller*
	:	*Hard brush*

Application - Points of Note

Fosroc operates a policy to encourage the use, where possible, of approved or licensed applicators. This ensures that repairs are completed satisfactorily so that the long term performance of the materials is assured.

Section B : Application

Cemtop 250T should not be applied when relative humidity conditions are above 80%.

1.0 Surface Preparation

1.1 New concrete should be at least 21 days old for application of Cemtop 250T.

1.2 The substrate should be clean, sound and free from loose material and contamination such as plaster, oil, paint and grease.

1.3 Light scabbling, blasting or grinding is recommended for removal of excess laitance and use of a proprietary degreaser is recommended for cleaning light oil and grease staining. Always follow degreasing by washing with clean water.

2.0 Priming

2.1. The substrate should be primed using a 1:1 mix of water and Nitoprime 33.

2.2 The substrate should be pre-soaked with wet hessian for several hours prior to priming.

2.3 The primer should be brushed into the substrate using a stiff brush and allowed to dry before the application of Cemtop 250T.

2.4 In case of extremely porous substrate, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat.

3.0 Mixing

For best results, mixing should be done as follows:

3.1 Pour 5.2 litres of cool water into the mixing vessel.

3.2 Slowly add the 20 kg bag of Cemtop 250T into the water, whilst continuously mixing. Do not use part bags or add extra water, as this upsets the powder : water ratio and compromise the final performance.

3.3 Mix for three to five minutes until homogeneous.

3.4 Ensure that mixing is arranged to provide a continuous pour of the product. Do not mix material in quantities which cannot be applied within the flow time of the product. When using a Putzmister application equipment, multiple bags may be mixed at a time.

4.0 Application

Good site organization is essential so that the required thickness is achieved in one application.

4.1 Pour the mixed material onto the primed substrate, spread with a trowel and allow to self-level. For best results, pouring and leveling should be done in a continuous process.

4.2 Roll the surface with a spiked roller to promote the release of any trapped air.

5.0 Cleaning

5.1 All tools must be cleaned immediately after application. If the material sets on the tools, then mechanical cleaning will be required.

Section C : Approval and variations

This method statement is offered by Fosroc as a 'standard proposal' for the application of Cemtop 250T. 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 Fosroc for approval, in writing, prior to commencement of any work. Fosroc will not accept responsibility or liability for variations to the above method statement under any other condition.