

Method Statement

Nitocote ET550

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.

<i>Protective clothing</i>	:	<i>Protective overalls</i>
	:	<i>Good quality gloves, goggles and face mask</i>
<i>Preparation equipment</i>	:	Stiff wire brush
	:	Proprietary blasting equipment
<i>Mixing equipment</i>	:	1 KW slow speed heavy duty drill, 400/500 rpm
	:	Fosroc mixing paddle MR3
	:	Suitable sized mixing vessel
<i>Application equipment</i>	:	Brush
	:	Graco spray equipment

Section B : Application Method

1.0 Preparation

Following the preparation, care should be taken to ensure that any surface irregularities are filled with Nitomortar FC.

- 1.1 All surfaces must be clean and free from debris, loose or flaking material, areas of standing water, oil grease and organic growth.

- 1.2 New concrete surfaces must be fully cured, laitance free and free from any traces of shuttering, release oils and curing compounds.
- 1.3 Sand blasting is recommended as an effective method of surface preparation and provide suitable key for Nitocote ET550.
- 1.4 Any metal surfaces should be grit blasted to meet the requirements of BS4232, First Quality.
- 1.5 For metal surfaces, the lining work should be programmed so that newly cleaned metal is coated as soon as possible before the formation of rust or scale.

2.0 Mixing

Nitocote ET550 should always be mixed in an open, well ventilated area.

- 2.1 The contents of the base can should be stirred thoroughly to disperse any settlement.
- 2.2 The entire contents of the hardener can should be poured into the base container ensuring that the sides and bottom of the container are well scraped.
- 2.3 The two components should be mixed mechanically using a Fosroc mixing paddle (MR3) fitted on a heavy duty, slow speed electric drill.
- 2.4 The mixing should be carried out continuously for 3-5 minutes, until a uniform consistency is achieved.

3.0 Application

Nitocote ET550 should not be applied over existing coatings.

3.1 Brush application

- 3.1.1 Nitocote ET550 should be applied in two coats. The thoroughly mixed material should be applied with a suitable brush.
- 3.1.2 The first coat must be firmly applied and be well scrubbed into the surface, ensuring a uniform coating with a wet film thickness not less than 270 microns, be allowed to dry for not less than 16 hours at 20°C.
- 3.1.3 The second coat should be applied as above, again achieving a wet film thickness of 270 microns. In the case of possible problems of solvent entrapment, reduce the w.f.t. and increase the number of coats to achieve a total wet film application of 540 microns.



3.2 Spray application

- 3.2.1 Faster rates of application are possible using Graco spray equipment. Consult the local Fosroc office prior to application for technical advice.

4.0 Cleaning

- 4.1 Tools and equipment should be cleaned with Nitoflor Sol immediately after use.

Section C : Approval and variations

This method statement is offered by Fosroc as a 'standard proposal' for the application of Nitocote ET550. 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.