

Method Statement

Nitocote EP405

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>	:	Protective	overalls
	:	Good quality gloves, goggles and face mask	
<i>Preparation equipment</i>	:	Proprietary blasting equipment	
<i>Mixing equipment</i>	:	1 KW slow speed drill, 400 or 500 rpm, plus Fosroc Mixing Paddle MR3	
<i>Application equipment</i>	:	Stiff	brush
	:	Graco spray equipment	

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 Method

1.0 Overcoating

- 1.1 Any application of Nitocote EP405 which have become damaged can be readily over coated.

- 1.2 The existing surface should be well abraded, using a stiff wire brush, or similar, to ensure that a good mechanical bond will be achieved between the two layers.
- 1.3 Overcoating works can then proceed as for new work.

2.0 Preparation

Following the preparation, care should be taken to ensure that any exposed blow holes are filled with Nitomortar FC.

2.1 Concrete Surfaces

- 2.1.1 All surfaces should be clean, dry and free from dust, laitance and standing water.
- 2.1.2 Oil and/or grease contamination should be treated with Fosroc Chemical Degreaser, followed by water or steam washing.

2.2 Metal surfaces

- 2.2.1 Any metal surfaces should be blasted to a bright finish, meeting the requirements of Swedish Standard SA 2½ or equal.

3.0 Mixing

- 3.1 The contents of the resin base tin should be thoroughly stirred to disperse any possible settlement.
- 3.2 The entire contents of the hardener should be poured into the base container, and the two materials mixed thoroughly until both uniform colour and consistency are obtained.
- 3.3 It is recommended that the two components are mixed together mechanically; using a slow speed, electric drill, with a Fosroc Mixing Paddle MR3. Mixing should be carried out continuously for 3 to 5 minutes.

4.0 Application

Whilst Nitocote EP405 can be applied to damp surfaces; running water must be excluded from the work area during both application and curing of the product. Where excessive seepage or leaking occurs, consult the local Fosroc office for recommendations.

4.1 Hand application

- 4.1.1 Nitocote EP405 can be hand-applied using a brush or roller.
- 4.1.2 The first coat should be firmly applied and scrubbed well into the surface, ensuring that a continuous film results of uniform thickness.
- 4.1.3 The second coat will cover more readily than the first, and should be applied within the 'overcoating times' mentioned above. It is further recommended that a contrasting colour is chosen for the second coat, to ensure unbroken coverage.

4.2 Spray application

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

5.0 Cleaning

- 5.1 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 EP405. 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.