

# Method Statement

## Nitofill WS60

### 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.
- (v) Where mixing water is required in the application of a product, it is advised to maintain such water at a maximum of 20°C.

#### 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>	:	Wire brush
	:	Proprietary blasting equipment
	:	Proprietary Degreaser
<i>Application equipment</i>	:	Standard Injection equipment with closed container

#### Application - points of note

Fosroc operates a policy to encourage the use, where possible, of registered applicators, since the long term performance of the materials is dependent upon proper application.

## Section B : Application Method

### 1.0 Surface preparation

Attention to full and proper preparation of the substrate is essential for complete repair adhesion.

#### Instructions for use of Nitomortar PE

- 1.1 Nitomortar PE has to retain the injection system under pressure. Care must be taken to provide a clean and sound surface for bonding.
- 1.2 Remove heavy deposits of grease and dirt by scrubbing with detergent solution and washing with plenty of clean water to ensure complete removal of the detergent. Dirt alone may be removed with wire brushes or similar mechanical means.
- 1.3 Remove deteriorated concrete, laitance and paint. The best treatment is grit blasting with sand, steel shot or a proprietary abrasive. Where grit blasting is impracticable, use rotary wire brushes.
- 1.4 Blow the cracks and treated surfaces with oil free compressed air to ensure complete removal of all dust and loose particles. If water permits, clean the surface adjacent to the cracks and remove all traces of dust, oil, paint, curing compounds, grease, corrosion deposits, algae or any unsound material.

#### Application of Nitomortar PE

- 1.1 Mix only the quantity of Nitomortar PE that can be applied within the usable life. Pour a small quantity of the resin into the mixing bucket provided and slowly add the powdered catalyst from the polythene bag and stir until a smooth putty like consistency is obtained. Mix further quantities as required and retain some material for making good after removing the injection nipples.
- 1.2 Immediately after mixing, apply the compound to the surface cracks. Overlap the cracks on both sides by 15 - 20mm. Use the material to bond on injection nipples using locating pins to ensure correct sitting.

### 2.0 Mixing

- 2.1 The accelerator and the base resin should be thoroughly mixed manually and placed in a closed container.
- 2.2 While mixing, care should be taken to exclude moisture as much as possible.

### 3.0 Application

**Do not use to seal cracks where water pressure is very high and do not use for permanent sealing.**

- 3.1 Nitofill WS60 should be injected using a standard injection equipment having closed containers.
- 3.2 Injection packers should be inserted into the pre-drilled holes at intervals along the length of the crack. The distance between each packer shall depend on the length and width of the crack. Spacing normally would be between 200 mm - 500 mm.
- 3.3 If practical, seal the surface of the cracks between the packers with a band of Nitomortar PE, 30 to 40 mm wide and 2 to 3 mm thick. Both sides of the cracks which lead through a wall or slab shall be sealed this way. If the water flow is severe the Nitomortar PE application can be omitted.
- 3.4 In case of a wall or slab which is cracked all the way through, packers shall be located on both sides with those at the back placed at midway points between those at the front.
- 3.5 One end of the injection hose shall be attached to the lowest packer on vertical cracks or to either end of horizontal cracks.
- 3.6 Each crack shall be treated in a single continuous operation and sufficient material shall therefore be made prior to the commencement of the work.
- 3.7 Remove the packers or nipples and make good any holes or voids with Nitomortar PE and allow to cure. The Nitomortar PE can then be ground off or softened with a blow lamp and peeled off. Make sure that it does not burn.

#### **4.0 Cleaning**

- 4.1 Nitomortar PE and Nitofill WS60 should be removed from tools with Fosroc Solvent 102, immediately after use.

### **Section C : Approval and variations**

This method statement is offered by Fosroc as a 'standard proposal' for the application of Nitofill WS60. It remains the responsibility of the Customer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to Fosroc for comment, in writing, prior to the commencement of any work.