

Method Statement

Nitoflor ET Slurry

Section A : General Comments

This method statement should be read in conjunction with the relevant section of the data sheet(s). Please refer to the local Fosroc office for advice on selection of the most appropriate product for your application.

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.
- (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>Preparation equipment</i>	:	<i>Suitable equipment/materials to ensure proper preparation of the substrate (see section 1.0)</i>
<i>Mixing equipment</i>	:	<i>1 KW slow speed drill, 400 or 500 rpm, plus fosroc mixing paddle MR3 and mixing vessel,</i>
	:	<i>or</i>
	:	<i>Forced-action mixer, fitted with a suitable paddle</i>
<i>Application equipment</i>	:	<i>Spreading trowel</i>
	:	<i>Steel trowel</i>

Application - points of note

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

Section B : Application Method

The prevailing relative humidity should not exceed 75% at **any stage** of the application.

1.0 Surface Preparation

1.1 Steel Substrates

1.1.1 All steel substrates should be blast cleaned to a minimum SA2½ standards. An angular profile amplitude of at least 75 microns is recommended.

1.2 Concrete Substrates

1.2.1 The substrate should be clean, sound, dry and free of any laitance or loose particles.

2.0 Priming

2.1 Prepared concrete substrates should be primed with Nitoprime 25, which is applied by lambswool roller to provide a thin even coverage. Steel need not be primed.

3.0 Mixing

3.1 Nitoflor ET Slurry is supplied in three pre-weighed packs (base and hardener & fillers) which are ready for immediate on-site use. Part mixing of these components is not acceptable and will affect both performance and appearance of the finished floor.

3.2 Mixing should be carried out using either a forced action mixer, or a heavy duty, slow-speed drill with proprietary mixing paddle attachment. All such equipment should be of a type and capacity approved by Fosroc. The components should be mixed in a suitably sized mixing vessel.

3.3 The base component should be added to the mixing vessel first and followed by the hardener and these two components mixed together for approximately 2-3 minutes until an even colour and texture is obtained.

3.4 Thereafter, the contents of the graded filler pack should be slowly added and mixing carried out for a further 3-4 minutes until a completely homogenous material is obtained.

4.0 Application

- 4.1 The applicator should ensure that there are sufficient supplies of plant, labour and materials to make the mixing and subsequent application process a continuous one for any given floor area.
- 4.2 Once mixed, the material must be used within its specified pot life - see '**Properties**' section of the relevant data sheet.
- 4.3 Pour the slurry onto the prepared surface. Work in lanes of 2-3m wide masking off edges with tape. Spread the slurry using a steel trowel or squeegee taking particular care when joining up to the previous day's work.
- 4.4 Use of a wet film guage is recommended to ensure the correct thickness and material usage. The Dynagrip surface dressing aggregate must be applied immediately after laying the Nitoflor ET Slurry.
- 4.5 The slurry coating is blinded to saturation by allowing the aggregate to fall vertically until no slurry is visible. Do not throw aggregate across the slurry as this may cause ridges. The masking tape must be removed before the coating has cured.

5.0 Floor joints

- 5.1 All existing expansion or movement joints should be followed through the new floor surface.
- 5.2 Joint sealant & joint geometry should be compatible with the floor type used, intended exposure conditions and likely movement characteristics of the substrate - consult the local Fosroc office for more details.

Section C : Approval and Variations

This method statement is offered by Fosroc as a 'standard proposal' for the application of Nitoflor ET Slurry. 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.