

method statement

Nitoflor EU10

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 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>Good quality gloves, goggles and face mask</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>Heavy Duty variable speed drill, plus</i>
		<i>Fosroc mixing paddle MR3 and mixing vessel</i>
<i>Application equipment</i>	:	<i>Notched trowel</i>
	:	<i>Spiked roller</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. For contractors who wish to apply the materials

Al Gurg Fosroc LLC

Post Box 657, Dubai
United Arab Emirates

telephone:
(+9714) 2039699

fax:
(+9714) 2859649

email:
agf@fosroc.com



themselves Fosroc is also able to offer technical assistance and training, either on-site or at its Training Centre in Dubai.

Section B : Application Method

1.0 Surface Preparation

- 1.1 The substrate (new or existing) should be clean, sound and free from contamination such as mortar and paint splashes, curing compounds, oil and grease. Any deposits are best removed by light mechanical scabbling or grinding followed by vacuum cleaning to remove dust debris. All preparation equipment should be of a type approved by Fosroc.
- 1.2 Oil and grease contamination must be completely removed by grinding down to sound, clean concrete.
- 1.3 Where these methods are considered impracticable, alternative methods may be considered but a clean, sound and dry substrate must still result. In particular it is essential that the substrate does not suffer from conditions of rising damp. Any alternative preparations must be approved by Fosroc prior to commencement of work, as Fosroc will not accept responsibility under any other condition.
- 1.4 New Concrete surface should be at least 21 days old with moisture content not exceeding 5%.

2.0 Priming

- 2.1 Priming is not required for most of the EU range of underlays, provided the substrate is sound, untreated, dry and good quality concrete. Please refer to the below mentioned table for priming requirements.

<u>Underlay</u>	<u>Primer</u>
-----------------	---------------

Nitoflor EU 5 good quality concrete	No Priming, provided the substrate is sound, untreated, dry and good quality concrete
--	---

Nitoflor EU10 good quality concrete	No Priming, provided the substrate is sound, untreated, dry and good quality concrete
--	---

Nitoflor EU50	Nitocote Primer Sealer, as detailed below.
---------------	--

- 2.2 Add the entire contents of the hardener tin into the base tin and mix thoroughly.



constructive solutions

- 2.3 Immediately after mixing, apply the primer in a thin continuous film to the clean prepared surfaces using stiff brush or roller. During application, ensure that the primer is worked into the substrate but avoid over application causing “ponding”.
- 2.4 In cases of porous floors, a second priming coat is recommended if the first coat is absorbed very quickly leaving characteristic light coloured dry patches.
- 2.5 Dress the primed surface immediately with ½kg/m² of antislip grain no. 3, to provide key for the application of Nitoflor EU50.
- 2.6 The primer should be touch-dry prior to commencing application of Nitoflor EU50.

3.0 **Mixing**

- 3.1 Nitoflor EU range is supplied in three pre-weighed packs (base and hardener & aggregate) 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 minutes until an even colour and texture is obtained.
- 3.4 Thereafter, the contents of the graded aggregate pack should be slowly added and mixing carried out for a further 3 minutes until a completely homogenous material is obtained.

4.0 **Application (laying)**

- 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, independent 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 The material should be spread to a uniform thickness across the floor area using a squeegee or a notched trowel.
- 4.4 Overcoating of the Nitoflor EU10 with any other Fosroc floor system should not start until the Nitoflor EU10 is at least 18 hours old, but not later than 48 hours.



constructive solutions

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.

6.0 Cleaning

- 6.1 Clean all tools and equipment, using 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 High strength flooring materials. 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.