

Method statement

Nitoflor LH

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>	:	<i>Stiff wire brush</i>
	:	<i>Proprietary buffing equipment with appropriate buffing Pad.</i>
<i>Application equipment</i>	:	<i>Brush or roller</i>
	:	<i>Knapsack type spray equipment</i>

Section B : Application Method

1.0 Preparation

- 1.1.1 Surfaces to be treated with Nitoflor LH must be structurally sound and free from loose materials.
- 1.2 Clean all contamination such as oil, grease, algae, laitance etc from the surface by sweep blasting/ mechanical grinding.
- 1.3 Fill all blowholes and other surface irregularities Nitocote Putty. Contact the local Fosroc office for further advice.
- 1.4 If any crack found, need to be filled up with epoxy putty or PMM.
- 1.5 The floor need to be saturated by water and the excess water need to be removed.

2.0 Application

- 2.1 A low pressure, high volume sprayer shall be used to apply Nitoflor LH so as to form a glistening sheen and to ensure complete saturation of the surface. Enough Nitoflor LH shall be applied to keep the surface wet for at least 20 minutes.

If applying by hand, spread the sprayed material with a lambswool roller once or twice and then stop spreading. If spread excessively, it tends to dry in streaks. After 20 minutes, the excess material shall be removed and the surface shall be allowed to dry for 1 - 2 hrs. The floor is ready to use after the surface is dry. A light lithium residue may form on the surface after the floor is dry. This is the excess Nitoflor LH liquid floor hardener which was not absorbed and can be removed by a stiff broom or power sweeper.

For an immediate shine, Nitoflor LH shall be allowed to dry overnight and then polished with a high speed buffer equipped with a black pad, followed by a red pad.

2.2 Sealing / overcoating / striping

Concrete floors treated with Nitoflor LH can be sealed / overcoated with Nitoflor epoxy floor coatings after 24 hours. The treated surface can also be painted for striping as there will be no chemical incompatibility between Nitoflor LH treated surface and these paints.

2.3 **Maintenance**

Floors treated with Nitoflor LH benefit from good routine maintenance. Regular scrubbing with a high pH detergent is recommended and can increase the shine. Tyre marks can be removed with a citrus type of cleaner. Oils and acids should be removed properly to prevent damage

3.0 **Cleaning**

3.1 Cleaning with water will remove the material from the tools and equipment.

Section C : Approval and variations

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