

Method statement

Nitocote CM210

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 blasting equipment</i>
<i>Mixing equipment</i>	: <i>1 KW, slow speed heavy-duty drill, 400 - 500 rpm paddle mixer</i>
<i>Application equipment</i>	: <i>Soft bristled brush, Roller or Hand trowel</i>
	: <i>Finishing trowel</i>

Application - points of note

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

Section B : Application Method

1.0 Surface Preparation

- 1.1 Clean the surface free of oil, laitence, grease, wax, dirt or any other foreign matter that could effect the adhesion.
- 1.2 Use high-pressure water jet or grit blasting to clean concrete surfaces.
- 1.3 Repair all spalled surfaces or those containing blowholes or cracks. Nitocote CM210 can repair those surfaces with cracks and other defects up to a maximum depth of 10mm. Contact Fosroc Office for large-scale repairs.
- 1.4 Dampen the substrate surface with water keeping in mind that highly porous substrates will require more dampening than normal dense substrates.
- 1.5 Remove all condensation with a sponge prior to application.
- 1.6 Running water should be stopped using Renderoc Plug. Contact the local Fosroc office for suitable water stopping materials.

2.0 Mixing

- 2.1 Pour the CM 210 liquid polymer component into a mixing drum of 20 litres capacity.
- 2.2 Add the CM 210 powder component into the drum containing the liquid component while continuously mixing with a slow speed paddle mixer.
- 2.3 Continue mixing for 3 - 5 minutes or until a lump-free slurry is obtained.

3.0 Application

Nitocote CM 210 is a two coat applied, elastomeric cementitious coating which should not be used on external surfaces where aesthetic appearance is required.

3.1 Brush / Roller / Trowel application

- 3.1.1. Apply the mixed material using a soft bristled brush or roller or trowel.
- 3.1.2 The first coat should be well brushed into the substrate and be applied at a w.f.t. of 1mm.
- 3.1.3 Finish the application in one direction to give a neat appearance. Dampen the surface in case the brush begins to drag during application.
- 3.1.4 The first coat should be allowed to cure for a period of 3 hours @ 35°C and longer at lower temperatures, prior to proceeding with the application of the second coat.
- 3.1.5 The second coat also should be applied like the first coat at a w.f.t of 1mm, in perpendicular direction to the 1st coat but does not require dampening of the surface.

- 3.1.6 Use a finishing trowel for best results, in the case where a roller is used to apply the material.
- 3.1.7 Sprinkle dry sand whilst the 2nd coat is still wet to provide mechanical anchor if plastering/tiling with Tile adhesive is to be carried out.
- 3.1.8 If plastering is to be carried out on vertical walls, then it should be done at a thickness of 12-14mm.

3.2 Spray Application

- 3.2.1 Contact the Fosroc office for details on selection of spraying machines and nozzles.
- 3.2.2 All preparatory works, application thickness, curing time etc. are the same as for the brush application.

4.0 Cleaning

- 4.1 Clean all the tools and equipment with clean water, immediately after use.
- 4.2 In case of material hardening, use Fosroc Solvent 102 and clean mechanically.

Section C : Approval and variations

This method statement is offered by Fosroc as a 'standard proposal' for the application of NitocoteCM210. 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.