

BOQ

ITEM NO	DESCRIPTION OF THE ITEMS	UNIT
1.1	Flow applied Cementitious Polyurethane floor topping at 4.0mm thick : Nitoflor SL 3000 UT	sqm
a.	New concrete floors: The base should be a minimum of Grade RC30 of BS 8500-2: 2002 and should not contain a water repellent admixture. The surface strength when assessed using a rebound hammer should be above 25 or the surface tensile strength should exceed 1.5 MPa. The laitance and any surface sealer or curing membrane should be removed by mechanical means such as shot-blasting or grinding to expose the coarse aggregate. After surface preparation, all loose debris and dirt should be removed by vacuum equipment. For concrete bases in contact with the ground, a damp-proof membrane should have been incorporated into the slab design, in accordance with the requirements of CP102 (Code Of Practice For The Protection Of Buildings Against Water From The Ground).	
b.	Old concrete floors: All laitance and surface contamination should be removed by mechanical means such as shot-blasting or grinding to expose the coarse aggregate. After surface preparation, all loose debris and dirt should be removed by vacuum. Heavy oil or grease deposits should be removed either mechanically, or by steam cleaning, or by biological treatment, then by high pressure water blasting followed by the application of a penetrating primer. Where oil or grease contamination has been severe or of long duration, these methods may prove unsatisfactory and in these cases removal of the affected base is necessary. In existing buildings without a functioning damp-proof membrane, the application of a surface-applied membrane should be considered. Hydrostatic pressure may, under certain circumstances, cause adhesive failure between the flooring and the substrate. Where this is likely to occur, such as in areas where the ground water table is higher than the substrate, and where external tanking has not been applied, pressure relief must be provided, e.g. by direct drainage. A close visual examination should be made to verify cleanliness and soundness. Any weak or suspect areas should be repaired.	
c.	Scratch coating: Nitoflor SL3000 UT should be applied as a scratch coat at a coverage rate of up to a nominal 1 mm thickness actual coverage rate will depend on concrete surface texture and porosity. This scratch coat is designed to prime and seal the floor. Mix and spread evenly by trowel. The scratch coat should be allowed to cure for 12 - 48 hours at 20°C before applying the Nitoflor SL3000 UT. If the scratch coat has been allowed to cure for >48 hours then the coat must be thoroughly abraded and a fresh layer of scratch coat applied. If severe pin-holing is evident in the cured scratch coat, indicating that air is rising from the substrate, then remedial action should be taken. Contact your local Fosroc office for advice. Failure to do so may result in increased risk of pin-holing of the surface topping.	
d.	Cementitious polyurethane floor topping: Providing mixing and applying Cementitious polyurethane floor topping at a thickness of 3.0mm using Fosroc Nitoflor SL 3000 UT a three-component product. A forced-action rotary paddle mixer is recommended for mixing the product. Topping applied at 3.0mm thickness over a scratch coat of 1mm to the designated area and shall have smooth matt finish, on cured shall	



constructive solutions

	<p>exhibits the following Compressive Strength (ASTM C109) 28 days at 50.8 MPa, Tensile Strength (BS6319-7) 6.8 MPa, Flexural Strength (BS6319-3) 17.9 MPa, Slip Resistance (ASTM E303) Dry, S56/ S96 - 22/32 (moderate slip risk), Impact Resistance (ASTM D2794), Joules for 3mm thickness 8.1 and for 6mm thickness 10.8, high resistance to damage, Ensure that anchorage grooves of 2 times the thickness or max 10mmx10mm are fully wetted out with material at the edges, day joints, control joints, up-stands, drains, doorways and at regular points across the floor, and all debris removed. Work shall be executed by authorised Fosroc applicator and complete as per the instructions of manufacturer.</p>	
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