



INDUSTRY: PHARMA

BOQ

ITEM NO	DESCRIPTION OF THE ITEMS	UNIT
a.	<p>Surface Preparation: It is essential that Nitoflor SL1000 is applied to sound, clean and dry surfaces in order that maximum bond strength is achieved between the substrate and the flooring system. All dust and debris should be removed prior to application of the product.</p> <p>New concrete floors: Should be at least 28 days old with a maximum moisture content not exceeding 5%. Laitance deposits on new concrete floors are best removed by light grit blasting, mechanical scabbling or grinding.</p> <p>Old concrete floors: Mechanical cleaning methods are strongly recommended on old concrete floors particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimetres into the concrete. To ensure adhesion, all contamination should be removed by the use of a proprietary chemical degreaser</p>	
1.1	Epoxy Self Levelling Topping over Epoxy Underlay for 1.0 mm - Nitoflor SL1000	
a.	<p>Priming: All surfaces treated with Nitoflor SL1000 should be primed with Nitoprime 25, a solvent based epoxy resin primer designed. Add the entire contents of the hardener tin to the base tin and mix the two primer components thoroughly for at least 2 minutes - under no circumstances should part mixing be considered. Once mixed, the primer should be applied immediately to the prepared substrate using stiff brushes and/or rollers. The primer should be well 'scrubbed' into the substrate to ensure full coverage, but care should be taken to avoid over application or 'ponding'. Allow the primer to dry (see table below) before proceeding to the next stage, do not proceed whilst the primer is 'tacky' as this will lead to unsightly marks in the finished surface. However, they should be in accordance with the following ambient application temperatures.</p>	
b.	<p>Epoxy Topping: Providing mixing and laying to the designated floor areas shall be surfaced with Nitoflor SL1000, at 1.0 mm thick floor-applied epoxy resin floor topping. Nitoflor SL1000 consists of graded aggregates bound in a pigmented epoxy resin binder. It is supplied as a four component system, pre-weighed for on-site mixing. When laid, it provides a smooth, light-reflective surface. It is available in a range of RAL K5 classic colours. The topping shall achieve a minimum compressive strength of 50 N/mm² and a flexural strength of 25 N/mm² at 7 days when tested to BS6319. At 27°C, it shall be capable of accepting foot traffic at 24 hours and Light vehicular traffic at 48 hours. Cost Inclusive of Supply, apply, equipment. Exclusive of GST as applicable. Client shall provide Storage, Power, water, etc., Flooring work shall be executed by Fosroc Authorised Applicator.</p>	
1.2	PU floor Coving: Nitoflor Coving UT size - 75mm x 75mm	rmt
a.	<p>Surface Preparation: Removing all laitance and any surface sealer or curing membrane by mechanical means such as shot-blasting, grinding or light scabbling to the level of sound concrete. After surface preparation, all loose debris and dirt should be removed by vacuum equipment.</p>	



b.	Priming: Priming is carried out using a mix of Part A and Part B only. Thoroughly drain the contents of the hardener component into the base component and mix for a minimum of 1 minute or to provide a homogeneous mix. Apply by roller or brush and spread uniformly at the rate of approximately 5m ² /1kg set depending on the substrate. Nitoflor Coving UT must be applied wet to wet onto the primed surface before the primer is cured	
c.	Polyurethane coving mortar: Providing and applying 3 components, Water based Polyurethane coving mortar Nitoflor Coving UT topped with a sealer coat Nitoflor HB 200UT of Fosroc make. The substrate shall be prepared properly prior laying UT coving, priming the surface with suitable primer as recommended in the manufacturer datasheet @ 12.5m ² /2.5kg set depending on the substrate. Laying Nitoflor Coving UT 1.8 - 2.0 kg/m ² /mm thickness wet to wet onto the primed surface before the primer is cured. Followed by applying 3 components Water-based high-build polyurethane coating sealer coat Nitoflor HB 200 UT in 2 coats 6 m ² per 4.75 kg pack per coat@ 200microns WFT per coat. Fosroc Nitoflor HB200 UT is available in a range of standard Fosroc colours. Complete as per the manufacturer Instruction.	