

# VISHWAS

**WATER PROOFING & CHEMICAL INC.**

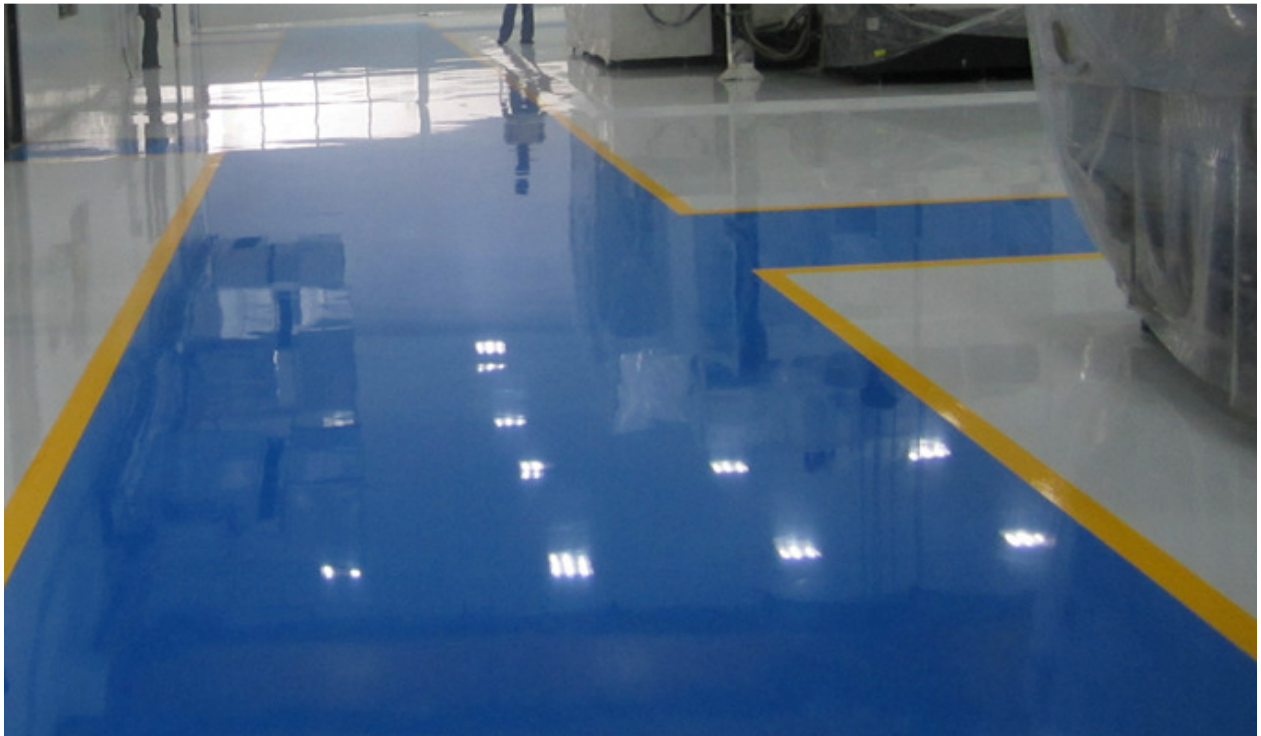
B-115, 1<sup>st</sup> floor, Vijay Vihar, Phase-2, Delhi-85.

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## FOSROC PROPOSAL FOR EPOXY FLOORING



**Vishwas Waterproofing & Chemical INC**

**B-115, 1<sup>st</sup> Floor, Vijay Vihar, Phase -2,**

**Rohini, Delhi -110085.**

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## 1. PRODUCT RECOMMENDATION:

### Epoxy Floorings Systems

#### Product Recommendation:

We recommend the following Flooring System:

Product	Description
Nitoprime 25	Epoxy Primer for SL3000
Nitoflor SL3000	3mm Self Levelling epoxy floor topping

#### **Advantages**

- ❑ **Slip Resistant** - provides excellent slip resistant floor to human and vehicle traffic
- ❑ **Easy and Fast application** - minimises downtime
- ❑ **Easy to clean**- provides dense, impervious seamless floor surface easily cleaned
- ❑ **Abrasion resistant** - good resistance to wear and abrasion
- ❑ **Attractive** - available in a wide range of colours to enhance the working environment

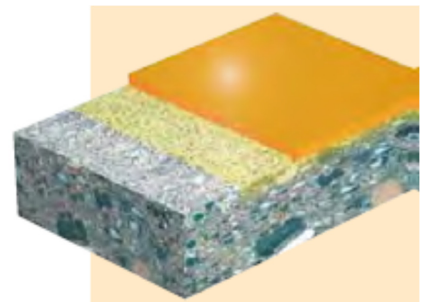
**All Fosroc products are supplied in pre-packed and pre-weighed packing, which permit only mixing on site within the prescribed mixing time and laid as per the application procedure laid down in the datasheets.**

Please refer attached datasheets for exact product details, properties, packing and coverage

## 2. PRODUCT DETAILS

### **Nitoflor SL2000 @ 2mm thickness**

Description	4-component, self-smoothing epoxy based flooring system
Uses	Self-Smoothing surfacing for normal to medium heavy wear e.g. workshops, production and storage areas, warehouses, etc.
Advantages	Easy to apply, solvent free, excellent adhesion to substrate, high abrasion resistance, good compressive strength, gloss or matt finish, easy to clean



### 3. APPLICATION PROCEDURE:

#### 1. Surface Preparation:

The substrates should be sound and free from contamination such as mortar and paint splashes, curing compound residue, oil or grease. Excessive laitance should be removed by grinding followed by vacuum cleaning. Oil and grease contamination must be completely removed by grinding down to sound, clean concrete. Major or minor discrepancies in the substrate shall be repaired with epoxy mortar or epoxy putty. The substrate must be relatively even textured, as any major surface discrepancies may affect aesthetics.

**The long-term durability of the applied epoxy flooring is dependent upon the adhesive bond achieved between the system and substrate. It is most important therefore, that substrate surfaces are correctly prepared prior to application.**

#### 2. Applying Nitoprime 25 as primer coat

- a. Description: Primer for epoxy floor topping
- b. Advantages: High adhesion of Nitoflor SL  
Good compressive strength

#### 3. Applying Nitoflor SL2000 @ 2mm thickness

Flow-applied epoxy floor topping

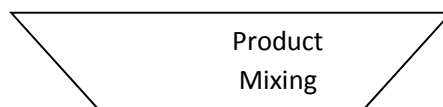
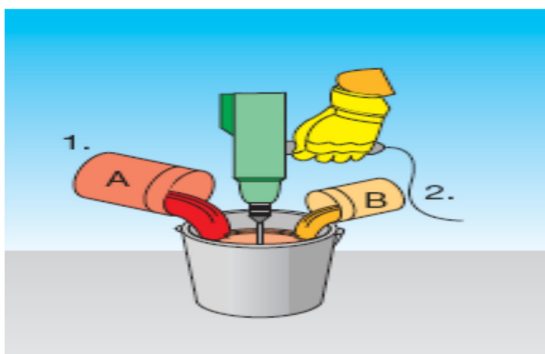
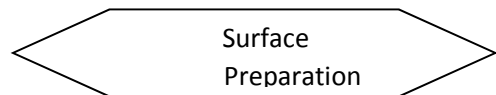
The designated floor areas shall be surfaced with Nitoflor SL3000, a 3 mm thick flow-applied epoxy resin floor topping. The topping shall achieve a minimum compressive strength of 40 N/mm<sup>2</sup> and a flexural strength of 25 N/mm<sup>2</sup> at 7 days when tested to **BS6319**. At 200C, it shall be capable of accepting foot traffic at 24 hours and vehicular traffic at 48 hours.

Mixing: Nitoflor SL flooring is supplied in four pre-weighted packs (base, hardener, aggregate and colour pack) which are ready for immediate on-site mixing. Part mixing of these components is not acceptable and will affect both performance and appearance of the finished floor. Mixing should be carried out using either a forced action mixer; or a heavy duty, slow-speed drill fitted with mixing paddle. All such equipment should be of a type and capacity approved by Fosroc. The components should be mixed in a suitably sized mixing vessel. The colour pack should be added to the base container and mixed for 15-30 seconds, until homogeneous. Then add the hardener and mix for further 30 seconds, until an even colour and texture is obtained. 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.

Application: 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. Once mixed, the material must be used within its specified pot life. The material should be poured onto the prepared and primed substrate as soon as mixing is complete. It should be spread to the required thickness using a serrated trowel; with care taken not to overwork the resin, spreading evenly and slowly. Immediately after laying, the material should be rolled, using a spiked nylon roller, to remove slight trowel marks, and to assist air release. The rolling should be carried out using a 'back and forth' technique along the same path. An overlap of 50% with adjacent paths is recommended. Further light rolling may be required to remove surface imperfections, or for subsequent release of trapped air, but should be prior to the setting of the product.

Expansion Joints: All existing Expansion or movement joints should be left uncoated over the new floor surface i.e. the flooring shall be discontinued at the joints. Joints shall be sealed with **Nitoseal 280**, Epoxy-urethane Sealant.

#### **4. APPLICATION FLOWCHART**





ESL  
Flooring  
Applicatio  
n after



ESL  
Flooring  
Applicatio



Finishing  
And  
Handing Over

## 5. FLOOR CARE

<b>DO'S</b>	<b>DON'TS</b>
Clean immediately with detergent and warm water in the event of chemicals/oil/grease spillage.	Spill chemical / oil/ grease on the floor.
Vacuum clean regularly. Clean floor with detergent and warm water using soft bristles to avoid scratches. Polish as per manufacturer's instruction.	Let sand inside - use air lock or air curtain.
Maintain reasonably constant temperature.	Store react able solvents without proper instructions.
Regular maintenance of trolleys and forklifts. Prevent locking of wheels.	Use imbalance wheels.
Use Polyurethane or pneumatic wheels with wider contact area to reduce frictional stresses.	Use black rubber / metal wheels on trolleys and fork lifts as it will lead to scoring and marking on the floor.
Keep mats underneath before placing heavy weights on the floor.	Drag heavy objects on the floor as it will lead to scratches.
Check the pallets and ensure that no nails or protruding in trolleys / forklifts.	Drop sharp and heavy objects on the floor as it will leave dents and marks.
Repair leakage in water pipes air ducts immediately to avoid pressure beneath the substrate which could lead to blisters on the floor.	

## BOQ

S. NO	Description	Unit	Qty	Rate	Amount
1.	Providing and carrying out self-smoothing epoxy flooring after proper surface preparation, on the prepared substrate by application of two component epoxy resin based primer <b>Nitoprime 25</b> and followed by flow applied 4 component, 3mm thick epoxy resin based topping of <b>Nitoflor SL3000</b> over it etc. complete as per manufacturer's specification.	Sq.mtr	1050 (Approx.)	1275.00	1338750.00
2.	Cleaning the surface with wire brush and air. Providing and laying epoxy screed coving of size 100 MM X 100 MM by <b>Nitocote TF 30 in junction of Wall to Floor</b>	R.mtr	150 (Approx.)	350.00	52500.00

### TERMS & CONDITIONS: -

1. Client is responsible for electricity, water, material storage, approach of work.
2. Client is responsible for accommodation for the workers and store for material.
3. Taxes will be charged extra as per applicable.

### Mode of Payment: -

50% payment shall be payable as an advance.

25% payment shall be payable after reaching of material at site.

25% payment shall be payable within seven days after the completion of the job.

Thanking you & assuring you the best of professional services at all the times.

**For Vishwas Waterproofing & Chemicals Inc.**

**(Authorized applicator of Fosroc India)**

**Ramesh Vishwas**