Nitoflor® HD-S

**Low sheen, liquid floor hardener / densifier system**

**1.00 Concrete floor hardener densifier system**

Where so designated on the drawings, internal concrete floor surfaces shall be treated with a penetrating hardener/densifier system which offers improved sheen level and stain resistance over regular hardener/densifiers.

 The system will consist of a penetrating lithium silicate treatment followed by application of the additional “sealer coat” to achieve the required sheen level

**1.10 Surface Preparation**

 All surfaces to which the new coating material is to be applied shall be clean, dry, sound and free from loose material and contamination such as curing compounds, plaster, oil, paint and grease.

 Excess laitance should be removed by light grinding followed by vacuuming to remove all dust debris.

**1.20 Floor hardener/densifier**

 The floor hardener/densifier shall be a penetrating lithium silicate material.

 The material is to be applied in a single application 7 -10m2 / litre keeping the floor wet with material for 20 minutes whilst avoiding puddling in any low areas.

 The coating shall have a VOC content <12g / litre.

**1.30 Floor hardener/densifier sealer coat**

 The floor hardener/densifier sealer coat shall be a penetrating lithium silicate material.

 The material is to be applied using a low-pressure airless sprayer and spread out with a 100% polyester micro-fibre applicator. Application rate will be approx. 30 – 40m2 / litre per application in multiple coats until the required sheen level is achieved

 The coating shall have a VOC content <35g / litre

1.31 The floor hardener/densifier system shall be applied in accordance with the manufacturer’s product data sheet.

**1.40** **Fosroc Nitoflor HD-S** meets the performance criteria and is approved.

Mar-07

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