Nitoflor® N

**Highly chemical resistant, solvent free, clear epoxy floor coating**

**1.00 Floor coating**

Where so designated on the drawings, internal concrete floor surfaces shall be coated with a highly chemical resistant, solvent free epoxy coating to achieve an approximate total dry film thickness of 400 microns.

**1.10 Surface Preparation**

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

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

 All large substrate cracks, holes, surface imperfections which may cause excessive wearing on high spots are to be removed, filled, and allowed to dry, prior to coating application.

**1.20 Floor coating**

 The coating is to be a solvent free, novolac epoxy that cures to form a highly chemical resistant finish to concrete surfaces and other substrates. The coating should also allow for the incorporation of slip- resistant grit for relevant areas.

 The material is to be applied in two coats to achieve an approximate total dry film thickness of 400 microns.

 The clear coating shall exhibit the following characteristics @23OC:

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| --- | --- |
| **Mixing ratio:** | 3:2 (base:hardener by volume) |
| **Pot life:**  | 30 minutes |
| **VOC content :** | <30g / litre |
| **Time between coats:** | 4 to 24 hours |
| **Initial hardness (traffic):** | 24 hours  |
| **Full cure:** | 7 days |

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1.21 The floor coating shall be applied in accordance with the manufacturer’s product data sheet.

**1.30** **Fosroc Nitoflor N** meets the performance criteria and is approved.

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