Nitoflor® FC150 HP-FC

**Fast cure, high build, chemical resistant, solvent free epoxy floor coating**

**1.00 Floor coating**

Where so designated on the drawings, internal concrete floor surfaces shall be coated with a heavy duty, chemical resistant, fast curing solvent free epoxy coating to achieve an approximate total dry film thickness of 400 - 500 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 and change the perceived colour of the coating 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, 100% solids, fast cure epoxy system that cures to form a gloss, film seal to concrete surfaces. The coating should also allow for the incorporation of slip-resistant grit for relevant floor areas.

 The coating is to be certified by HACCP for use in Splash or Spill Zones when used in food preparation environments.

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

 The coating shall exhibit the following characteristics @20OC:

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| **Solids content:** | 100% w/w |
| **VOC content :** | 45g / litre |
| **Time between coats:** | 3 to 12 hours |
| **Initial hardness (foot traffic):** | 6 hours  |
| **Full cure:** | 4 days |
| **Service temperature:** | Up to 50oC |

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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 FC150 HP-FC** meets the performance criteria and is approved.

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