Nitoflor® FC100

**UV Stable acrylic floor sealer**

**1.00 Floor Sealer**

Where so designated on the drawings, internal concrete floor surfaces shall be coated with a one component, penetrating acrylic floor coating providing a dust-proof, easily cleaned surface with resistance to penetration to oils and other liquids.

**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 Sealer coating**

 The floor coating is to be a one component, penetrating, synthetic acrylic coating system that cures to form a semi-gloss, flexible film seal to concrete surfaces.

 The material is to be applied in two to three coats to achieve an approximate total dry film thickness of 50-60 microns.

 The coating shall exhibit the following characteristics:

|  |  |
| --- | --- |
| **Solids content w/w (clear):**  | >20% |
| **Solids content v/v (clear):** | >15% |
| **VOC content (clear):** | <750g / litre |
| **VOC content (grey):** | <700g / litre |
| **Tack free @25OC:** | 3 hours  |
| **Full cure @ 25OC:** | 7 days |

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

**1.30** **Fosroc Nitoflor FC100** meets the performance criteria and is approved.

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