Nitoflor® SL

**Self smoothing, solvent free epoxy floor topping**

**1.00 Floor topping**

Where so designated on the drawings, internal concrete floor surfaces shall be surfaced with a heavy duty, chemical resistant, solvent free epoxy topping to achieve an approximate thickness of (*specify 2mm or 4mm*) thickness.

**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.

 Correct priming of the prepared concrete is essential using low viscosity epoxy to seal the porous concrete.

**1.20 Floor Topping material**

 The floor topping is to be a solvent free, flow applied epoxy system that cures to form a gloss, topping to concrete surfaces.

 The floor topping 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 a single application to a thickness of (*specify 2mm or 4mm*).

 The topping shall exhibit the following characteristics @23OC:

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| --- | --- |
| **Compressive strength:** | 90 MPa |
| **Flexural strength:**  | 30 MPa |
| **VOC content :** | <10g / litre |
| **Cure time (foot traffic):** | 24 hours |
| **Cure time (vehicle traffic):** | 48 hours  |
| **Full cure (chemical):** | 7 days |

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

**1.30** **Fosroc Nitoflor SL** applied over **Nitomortar 903 (primer)** meets the performance criteria and is approved.

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