Nitoflor® PU200

**Chemical resistant, polyurethane cement floor coating**

**1.00 Floor coating**

Where so designated on the drawings, internal concrete floor surfaces shall be coated with a chemical resistant, polyurethane cement coating.

**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 curing compounds, 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 polyurethane cement that cures to form a highly chemical resistant finish to concrete floors. The coating should also allow for the incorporation of slip-resistant grit for relevant 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.

 The coating shall exhibit the following characteristics @20OC:

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| --- | --- |
| **Bond strength (EN1542):** | 2.3 MPa |
| **Shore D hardness (ASTM C351)**  | 80 |
| **Water absorption (ASTM D570):** | 1.99% @ 80OC |
| **VOC content :** | <50g / litre |
| **Cure time (light traffic):** | 24 hours |
| **Cure time (full traffic):** | 48 hours  |
| **Full chemical 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 PU200** meets the performance criteria and is approved.

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