Nitocote® EP405

**Internal coating for potable water retaining structures**

**1.00 Protective Coating System**

**1.10 Concrete Surfaces**

1.11 All surfaces to receive the coating system should be smooth, sound and free from debris, loose or flaking material and areas of standing water. Surfaces must be free from contamination such as oil, grease, dust, loose particles and organic growth. Concrete surfaces must be fully cured, laitance free and free from any traces of shuttering, release oils and curing compounds.

**1.20 Steel Surfaces**

1.21 All surfaces should be grit blasted to meet the requirements of AS1627.4 Class 2.5. The lining work should be programmed so that newly cleaned steel is coated as soon as possible before the reformation of rust or scale.

**1.30 Coating System**

1.31 The tank/reservoir lining shall be a two component, 100% solids, epoxy coating specifically designed for contact with potable water. The cured film shall comply in all respects with the requirements of AS4020:2018 at an exposure level not less than 15,000 mm² per litre.

1.32 The coating should be applied in two or more coats until the recommended application rate of 0.4 litres /m2 has been achieved.

1.33 The coating should be applied in accordance with the manufacturer’s product data sheet.

**1.40** **Fosroc Nitocote EP405** meets the performance criteria and is approved.

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