Nitocote® EP410

**Chemical resistant coating for concrete and steel structures**

**1.00 Chemical Resistant 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 coating shall be a two component, 100% solids, epoxy coating specifically designed to provide chemical resistance and abrasion resistance to concrete and steel.

The cured coating shall provide chemical resistance to common industrial chemical including:

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| Sodium hydroxide | 25% |
| Sulphuric acid | 25% |
| Nitric acid | 25% |
| Hydrochloric acid | 25% |
| Tartaric acid | 15% |
| Phosphoric acid | 25% |
| Saturated Citric acid |  |
| Petrol |  |
| Kerosene |  |
| Saturated salt |  |

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1.32 The coating should be applied in two or more coats until the recommended dry film thickness (DFT) of 300 microns has been achieved.

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

**1.40** **Fosroc Nitocote EP410** meets the performance criteria and is approved.

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