Nitocote® SN502

**Penetrating hydrophobic silane-siloxane surface treatment for concrete and masonry**

**1.00 Penetrating Protective Surface Treatment**

**1.10 Concrete Surface Preparation**

1.11 All surfaces to receive the coating system should be 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 Penetrating Surface Treatment**

1.21 The penetrating surface treatment shall comprise a single component, low viscosity, silane-siloxane system which penetrates deeply into porous substrates such as masonry and concrete and reacts to produce a bonded hydrophobic lining to the substrate pores.

The surface treatment shall exhibit the following characteristics:

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| Reduction in chloride ion penetration:  (NCHRP 244 Standard) | 92% |
| Reduction in water absorption:  (NCHRP 244 Standard) | 85% |
| VOC content: | <700g / litre |

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1.22 The protective coating is to be applied in two flood coats until the recommended total application rate of 0.4 litres / m2 is achieved.

1.23 The coating shall be applied in accordance with the manufacturer’s product data sheet.

**1.30** **Fosroc Nitocote SN502** meets the performance criteria and is approved.

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