Nitocote® SN511

**Penetrating iso-butyltriethoxysilane, protective treatment for concrete**

**1.00 Penetrating Protective Treatment**

**1.10 Concrete Surface Preparation**

1.11 All surfaces to receive the penetrating protective treatment should be dry 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 Penetrating Protective Treatment**

1.21 The penetrating protective treatment shall comprise a single component, low viscosity, iso- butyltriethoxysilane system which penetrates deeply into porous concrete and reacts to produce a bonded hydrophobic lining to the substrate pores.

The protective treatment shall exhibit the following characteristics:

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| Specific gravity: | 0.88 @ 20°C |
| Active component: | >98% Iso-butyltriethoxy silane |
| Reduction in water absorption: | >80% |
| Refractive index: | 1.4 |
| Viscosity: | <10.00 cSt @ 20°C |
| VOC content: | 880g / litre |

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1.22 The protective treatment is to be applied in two flood coats at the recommended application rate of 300ml / m2 (3.33 m²/litre) per coat

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

**1.30** **Fosroc Nitocote SN511** meets the performance criteria and is approved.

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