Vandex Uni Mortar 1-Z

**Cement based reprofiling mortar**

**1.00 Waterproofing**

Where required, areas are to be reprofiled with a cementitious mortar designed for use with cementitious waterproofing materials between 6mm and 12mm thick.

 All work shall be carried out by a pre-qualified contractor, who is well trained in the application of the specific, documented, waterproofing system.

 All materials used in conjunction with the new waterproofing system, shall be approved by the product supplier.

**1.10 Surface Preparation**

 All surfaces shall be prepared and the waterproofing membrane applied strictly in accordance with the current technical data sheet.

 All surfaces to which the new waterproofing system is to be applied, shall be clean, sound and free from contaminants, such as concrete curing compounds, paints, form release agents and all other coatings.

 Concrete surfaces should be prepared by water blasting, grit blasting or wire brushing in order to remove laitance and open up the concrete pore structure.

**1.20 Waterproofing Membrane**

 The waterproofing material is to consist of a sulphate resistant cement powder, graded quartz sands and inorganic additives, mixed on site with water. The waterproofing should be applied by trowel at between 6mm and 12mm thick. (refer to the product TDS).

 It shall exhibit the following properties:

|  |  |
| --- | --- |
| **Colour:** | Grey |
| **Maximum aggregate size:** | 2mm |
| **Modulus of elasticity:** | > 20 GPa |
| **Fresh wet density:** | Approx. 2.0 |
| **Workability:** | Approx. 45 minutes |
| **Initial setting time:** | 3 - 6 hours @ 20oC |
| **Full cure time @ 20OC / 50%RH** | 5 days |

 Upon application and initial hardening, the waterproofing must be kept continuously damp for 5 days and protected from drying out.

**1.30** **Vandex Uni Mortar 1-Z** meets the performance criteria and is approved.

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