Vandex Construction Tape with BB75E-Z

**Flexible, crack accommodating, cement based waterproofing barrier with bandage tape**

**1.00 Waterproofing**

Where so designated on the drawings, concrete surfaces shall be waterproofed with a cementitious render, flexible waterproofing membrane and incorporate a flexible rubber bandage system over movement joints and cracks.

 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.

 Concrete surfaces should be free from major imperfections. All major imperfections must be repaired with a suitable, cementitious, reprofiling mortar such as Vandex Uni Mortar 1-Z.

**1.20 Waterproofing Tape & Flexible Membrane**

 The waterproofing tape is to be is a synthetic rubber strip, approximately 0.7 mm thick. It is covered on

 both sides with an alkali-resistant and flexible polyester fabric mat.

 The flexible waterproofing material is to consist of a sulphate resistant cement powder, graded quartz sands and inorganic additives, mixed with a liquid polymer. The waterproofing should be applied by trowel, (refer to the product TDS).

 When used in contact with drinking water the flexible membrane must meet the requirements of AS/NZS4020:2018 at an exposure level of 15,000mm2 / litre.

 It shall exhibit the following properties:

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| **Colour:** | Grey |
| **Permeability to CO2:** | SD > 50m |
| **Water vapour permeability:** | Class 1 SD, 5m |
| **Crack bridging:** | ≤0.8 mm dynamic crack movement |
| **Capillary water absorption:** | W <0.1kg/m2 x h0.5 |
| **Initial setting time:** | 3 - 6 hours @ 20oC |
| **Full cure time @ 20OC / 50%RH** | 5 days |

**1.30** **Vandex BB75E-Z with Vandex Construction Tape** meets the performance criteria and is approved.

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