



BOQ

Item	Description	Unit	Rate
1	<b>Recommended system for Concrete slab waterproofing Brushcrete and Hydroproof Xtra</b>		
2	<b>Bore Packing</b> : to ensure better bond use <b>Nitobond SBR</b> as bonding agent over pipe and Internal side of concrete followed by providing and applying high strength non shrink grout <b>Conbextra GPi</b> for the gap around pipes for a thickness up to 25mm before treating the surface with Brushcrete	no	
3	<p><b>System:</b> The surface shall be cleaned to remove all dust, foreign matters, loose materials or any deposits of contamination which could affect the bond between the surface and the coating This can be done by scarifying, grinding, water blasting, sand blasting, acid washing or by any other approved method. New flat surface like sub-base concrete shall be made reasonably smooth so as not to impede the application of <b>Brushcrete</b> coating and to avoid sharp projections.</p> <p>All concrete surfaces shall be thoroughly pre-wetted for at least one hour prior to the application of Brushcrete coating by pouring water on flat surface or by vigorously spraying water on vertical/inclined surfaces. Ensure that surface is only damp during application of Brushcrete coating. In no case there should be standing water or a shiny wet surface.</p> <p>Depressions are filled and levelled using Brushcrete. For filling, the mixing ratio is 1 kg cement:1.5 by silica sand and 0.5 kg Brushcrete.</p> <p><b>Mixing:</b> Brushcrete Polymer is mixed with neat cement in the ratio of 100 kg cement:50 kg of Brushcrete. The mix has to be stirred thoroughly until no air bubbles remain in the mix. Any lump found in the mix should be removed.</p> <p><b>Application:</b> The mix has to be applied by brush on rendered sound prepared surface. Two or more coats are recommended. First coat should be allowed to dry for 5-6 hours. The surface should be made wet before application in case of porous substrates.</p>	sqm	
4	Apply the mix with a short, stiff bristle brush like a paint to an approximate thickness of 1 to 2mm. During the first 12 hours of curing, Hydroproof Xtra surface must be protected from abrasion, rain or other adverse conditions. No traffic shall be allowed within 48 hours after application. Normally 2 coats of application of Hydroproof Xtra are recommended. First coat should be allowed to air dry for 5 - 6 hours. After application of the final coat, initial air drying shall be allowed for 2 to 6 hours. During this period water should not be used for curing. Moist curing should be done for the next 24 hours by spraying water on Hydroproof Xtra coating. Following moist curing, Hydroproof Xtra should be allowed to dry for three days before subjecting it to submersion in water		
5	<b>Protective Layer:</b> Providing and applying plastering with CM 1:4 mixed with <b>Conplast WL</b> at the dosage of 125ml/bag of cement over waterproofing system to a minimum thickness of 12mm as per site requirement. * <u>Civil Contractor scope</u>	sqm	*