



BOQ

	Description	Unit	Rate
1	Surface Preparation: Surface to be free from frost, surface laitance and contamination free from loose aggregate or other sharp protrusions with fairly smooth finish for application of waterproof coating prime the surface with water	Sqm	
2	Bore Packing: Preparing the inside surface of core and PVC by roughening using suitable file to get better adhesion prior to packing works. Cleaning the surface by wire brushing followed water jet to remove any laitance or loose flaky particles. Providing necessary formwork for packing the bore using suitable arrangement (depending upon site conditions). Applying a coat of styrene- butadiene based polymer coating using Nitobond SBR to enhance adhesion between the packing material and other surfaces and Application of swellable adhesive Supercast SWX at the middle of over the pipe external side and. Packing the gap using non-shrink cement polymer based grout using conbextra GP2 upto the surface of the bore whilst the Nitobond SBR is in tacky state. The above analysis is based on assumption for 150mm diameter core with 110mm diameter PVC for 5" thick slab only. Typical Properties Compressive strength at 28day as per BS 1881 45N/mm ² , completely as per the manufacturer's Instruction.	Nos	
3	Treating the Cracks, Construction Joints : Chase opening the Construction Joints by providing " U " groove, removing the dust and clean the designated area fill the prepared surface using Renderoc CS completely as per the manufacturer's Instruction, following by providing chemical injection treatment in the form of pressure grouting to the cold joint by injecting cement slurry mixed with grout admixture Cebex 100 @ 225 gms per bag of cement, in the required consistency through the pre fixed PVC nozzles in the 18 mm dia holes, fixing of PVC nozzles with Renderoc Plug and final cutting the projected nozzles and sealing off the PVC nozzles after the injection operation is over with Renderoc plug, nonshrink rapid setting mortar compound, finishing, curing etc. as per manufacturers specification and as directed.	Rmt	
4	Coving: Coving at the junction of slab and vertical offsets providing and applying one coat of Brushbond followed by fixing 40GSM geo textile when Brushbond is in tacky condition, allow it to dry before applying the second coat.	Rmt	
5	Waterproofing System: Providing and applying two coats of Brushbond acrylic polymer modified Cementitious waterproof coating, shall contain a liquid polymer component and a Cementitious powder component, which shall be mixed as per manufacturer's instructions and applied over prepared concrete surface strictly maintaining the coverage specified by the manufacturer. The applied material of Brushbond should have 1.0mm thickness of cured coating , terminating the coating at 300mm above FFL. Work shall be executed by Fosroc Authorised applicator Strictly following the Instructions as per Fosroc specifications.	Sqm	
6	Providing a Geotext fabric of 200GSM over the cured waterproofing membrane before going for a Tile Adhesive.	Sqm	
7	Tile Adhesive: Providing and Applying Nitotile GPX above the geotextile fabric. Nitotile GPX is a polymer modified adhesive for permanently fixing of the ceramics tiles. The application thickness is min of 3mm and may vary depending upon the available substrate condition. The spacers should be used to maintain the uniform gap between the tiles. Specific gravity : 1.18 to 1.19 g/cc Work shall be executed by Fosroc Authorised applicator Strictly following the Instructions as per Fosroc specifications. Note: Notch trowel should be used for applying Nitotile GPX for maintaining the uniform thickness.	Sqm	

8	<p>Providing and Applying minimum of 3mm wide using Nitotile EPW Grout, Hygienic, hard wearing stain free water miscible epoxy resin tile grout between the tile joint. Nitotile EPW Grout is a 3 component water miscible epoxy resin tile joint filler based on new generation epoxy resin technology supplied in preweighed packs, ready for onsite mixing and use. Specific Gravity- 1.8 to 1.82g/cc, Tensile strength : >10 N/mm² as per BS 6319 @7 days, Compressive strength : > 75 N/mm² as per ASTM C 579 @ 7 days, Shrinkage % : < 0.1% as per ASTM D 955, Work shall be executed by Fosroc Authorised applicator Strictly following the Instructions as per Fosroc specifications.</p>	Rmt	
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