

## **TECHNICAL SPECIFICATION**

# **WATERPROOFING TREATMENT FOR ROOF, MUMPTY WITH POLYURETHANE COATING**

**TECHNICAL SPECIFICATION**

SL. NO.	ITEMS	UNIT
1.	Cleaning the roof surface by means of wire brush to expose the concrete surface which should be free from all loose particles dust, laitance etc. and other waterproofing treatment if already existing.	Sq.Mtr
2.	<p>(a) At the junction of the parapet wall and roof slab 12mm 'V' groove is to be made for making sloped hallor with polymer mortar based on <b>Hind Crete Plus WPM- Modified Acrylic Copolymer</b>, cement and sand.</p> <p>(b) Application of one coat of water based '<b>HIND HYDROFLEX AQPU (PRIMER)</b>' over the properly cured concrete surface to make it smooth and dust free, before application of PU coating and taken to 300mm height on the parapet wall. It should be ensured that moisture content of the Roof Slab should be <b>less than 5%</b> before application of Primer.</p> <p>(c) Application of two coats of '<b>HIND HYDRO FLEX PU</b>' - <b>Elastomeric, Pure Polyurethane</b> over the primer applied surface. The second coat to be applied after 2 -3 hours, when the first coat gets completely dried, to achieve a <b>thickness of 1.5 mm @ 2Kg per Sq. Mtr.</b></p> <p>(d) After the coating gets completely dried up for 72 hours, 160 gsm geo-textile cloth is to be laid over the coated surface which results to be a separation layer between the coating and screed concrete.</p>	Sq.Mtr
3.	The coated surface is to be protected with an average <b>50mm</b> thick screed concrete admixed with Integral waterproofing compound ' <b>Hind Plast IWA</b> ' @ <b>100ml per bag of cement bearing IS:2645 Certification Mark</b> and maintaining <b>1: 100</b> Slope towards the rain water pipe. (Not in our Scope of work except supply of Hind Plast IWA)	Sq.Mtr
4.	When the surface water of the screed concrete gets completely evaporated, the top layer is mechanically cut for a width of 5mm X depth 20mm in panels and the gap is filled with 'Hind Sealant PU' to avoid crack developing in future.	R. Mtr