

## WATERPROOFING IN ETP TANK USING XOLUTEC TECHNOLOGY IN JSW STEEL



### **Problem:**

To Protect new structure of Waste Water treatment plant in harsh condition the Xolutech Waterproofing Recommended by the Client.

### **Solution:**

The Xolutech Technology waterproofing applications where a high level of chemical resistance.

### **Procedure –**

#### **1) Surface Preparation**

Entire surface to be repaired shall be cleaned thoroughly. Plaster if any and loose concrete shall be removed using tools such as electrically operated tool/breaker/Grinder shall be used. The entire surface shall be cleaned thoroughly using wire brushes by hand or Electric operated machine

Check the concrete surface and Joint. If concrete surface is wet we used Halogen & Blower to dry the wet concrete surface.

## 2) Joint Treatment by using Renderoc SP-40

Open joint by using Electrical Chipper or Grinder in V Shape. Then Cleaning of Joint by using wire Brush and Air Blower. Filling Joint by using **Renderoc SP-40**.

To fill Honeycomb, repairs to irregular profiles, Making Vatta (Juntion Between Raft and Wall) & Vertical Corner By using (Renderoc SP -40 OR Master Emaco -5348).

## 3) Filling pin Hole (Nito mortar FC OR MasterBrace ADH 2200)

Application **Nitomorter FC** or **MasterBrace ADH 2200** to Remove Minor Pin Holes in concrete surfaces. It is suitable for application from a featheredge to 3 mm. It is used to Filling pinholes prior to overcoating with Nitocote products & Sealing of surface cracks in preparation for crack injection.

## 4) Application of Primer Master seal P-770

### a) Mixing

MasterSeal P 770 is supplied in working kits which are pre-packaged in the exact mixing ratio. Pour the entire content of Part B into the container of Part A and mix with a mechanical drill and paddle at low speed (max. 400 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles.

After mixing, applied by brush or roller. The curing time of the material is influenced by the ambient, material and substrate temperatures. The consumption of MasterSeal P 770 is approximately 0.4 kg/m<sup>2</sup>.

## 5) Application of 1<sup>st</sup> and 2<sup>nd</sup> Coat of MS -790

MasterSeal M 790 is supplied in working kits which are pre-packaged in the exact mixing ratio. Pour the entire content of Part B into the container of Part A and mix with a mechanical drill and paddle at low speed (max. 400 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. Do not mix part packs and do not mix by hand!

MasterSeal M 790 can be applied by brush or roller. It is always recommended to complete the application in a minimum of two layers. Minimum waiting time before application of second coat is 8 hours (overnight) at 20 °C ambient and substrate temperature.