

Specification for Waterproofing of Water Tanks

Method statement

1. Surface Preparation

Surfaces to be applied upon, must be clean, reasonably dry, free from dirt and loose material, and be as smooth as possible. All voids and pinholes shall be filled using a non-shrink grout material. A proper fall / slope should be provided to allow standing water to drain. Ponding should not be present.

25 mm x 25 mm angle fillets of non-shrink mortar should be placed at the intersection of all vertical and horizontal surfaces and changes of direction to form a cant for the waterproofing membrane to turn up.

2. Waterproofing

Grouting of cold joints

All the construction joints in walls shall be grouted with cement slurry admixed with expansive additive at 500 mm c/c distance using suitable injection grouting pump. The grouting nozzles shall be removed after the grouting is over and shall be finished using polymer-modified mortar containing ApcoBuild Seal n Safe

Application of ApcoBuild SureSeal waterproof coating

Apply by brush or roller a coat of **ApcoBuild SureSeal** a polymer modified cementitious seamless waterproofing membrane at a rate of 2 to 3 square meter per kg to all required areas, at a thickness of 500 – 600 microns.

Lay 200-micron glass fiber cloth uniformly over the 1st coat of **ApcoBuild SureSeal** when it is still wet. Allow it to dry for 4 to 6 hours.

Apply second coat in the opposite direction at the same rate. The total thickness of waterproof coating shall not be less than 1.2 mm at any point. The treatment shall be left as it is for 72 hours for air cure before carrying out further work.

The care shall be taken to apply the coating in the internals of drain out let pipes.

3. Finishing

Apply neat coat of ApcoBuild Hydrocrete over the cured (after 72 hours) film of ApcoBuild SureSeal and allow it to become tacky.

Apply 10 to 12 mm plaster in cement mortar in 1:3 admixed with integral waterproofing compound **ApcoBuild Hydrotite IWC** at 200 ml dosage per 50 kg bag of cement over the bond coat when it is still tacky and finished it smooth.

Cure mortar for 15 days by filling the water.