

METHOD OF STATEMENT

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Water Proofing Treatments – Concrete Roof

SURFACE PREPARATION:

- Surface preparation is the most important for roof water proofing system before applications.
- The concrete surface shall be clean and free from contamination, such as dust oil grease, organic growth and release etc. as per the Concrete Surface preparation Standard SSPC SP 12/ NACE 5/WJ4.

Roof Cracks

For Structural Cracks:

Between Structural Cracks widening the cracks on the surface as per specification and sealing the cracks using epoxy grouting materials Like **MonoGrout LV** (low Viscosity Epoxy Injection Grouting's) @300 gm/point

Drilling the holes of 13 mm dia into concrete @ 300 mm c/c to require depth, cleaning the holes the, fixing flexible PVC pipe Nozzle for grouting purpose sealing the gap around the nozzle with **MonoBuild EP** epoxy putty as per the detailed specification.

For Non-Structural Cracks:

- Remove plaster applying proper cut defective plaster should be removed and the edges should be slightly cut in rectangular (10mm x 10mm) shape to provide a neat joint Apply **MonoBuild HB** (Polymer Modified cement mortar) @12 kg/Sq.m at 10mm thick and finish the surface.



Coating (Waterproofing Layer)

- Damp the RCC substrate by sprinkling water.
- Apply 2 coats of by using **MonoProof PWP1K** @ 1mm UV Resistant Aliphatic Polyurethane modified highly flexible waterproof coating @ 1.30kg/sq.m @ 1mm, elongation over 600%, embedded with **MonoWrap GTM80**, 70-80 GSM glass fiber mat taking care the subsequent coat is applied after the previous coat is touch dry as per the specifications of **MonoProof PWP1K**. The coats must be applied at right angles to each other



Product Used

Product Name	Code	Pack Size	Description
MonoGrout LV	GA08	3 Kg	Epoxy based Pressure Injection Grouting
MonoBuild HB	RRS16	20 Kg	High Build polymer modified cementitious reinstatement mortar.
MonoWrap GTM80	FRP02	1 Sq.m	Glass Fiber 450 GSM Surface Mat
MonoProof PWP 1K	WP14	10 Kg	Flexible Water Proofing Membrane coating

SUBMITTED BY

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