THIS INSTALLATION GUIDELINES COVERS THE GENERAL PREPARATION AND APPLICATION OF **MasterSeal 588** AN ELASTOMERIC CEMENT BASED WATERPROOF COATING.

METHOD STATEMENT: MasterSeal 588

1. PREPARATION:

1.1. All surface to be coated shall be free from oil, grease, friable matters and general curing compounds (wax based curing membranes shall not be used in areas to be coated).

1.2. Concrete surfaces shall be treated using high-pressure water jetting, grit blasting or grinding to remove any cement slurry, laitance or friable matters on the surface that could impair adhesion of coating.

1.3. Arises shall be rounded off and surface protrusions shall be ground down to ensure a leveled substrate.

1.4. Blow-holes shall be filled using **MasterSeal 588** at a trowelable consistency, scraped tightly into the surface and allowed to dry. Avoid cosmetic repairs as much as possible, especially using cement slurry as it creates a weak layer that impairs adhesion of coating. Repair work should not produce a dusty and flaky finish. Repairs may not be required on minor undulation that would not cause discontinuity on the coating.

1.5. Larger repairs can be done using products from **MasterEmaco** range.

1.6. Create fillet on corners using sand-cement or repair mortar (30 to 50mm size depending on material strength). Use polyurethane sealant (10-20mm) instead on locations where more movement is expected such as drywall partitions.

1.7. Mask all areas, which may be affected by spillage or overcoating, using tapes and polyethylene sheet.

2. MIXING:

2.1. **MasterSeal 588** is a two-component product consisting of powder and liquid. Mix the full unit on a separate clean container (min 25L size), using a slow speed drill, fitted with a mixing paddle which is suitable for paints and coatings.

2.2. Pour 2/3 of the liquid component onto a clean container and gradually add the powder component while mixing.

2.3. Pour the remaining liquid and continue mixing until a uniform and lump-free consistency is achieved.

2.4. Use the mixed material before it starts to set. (approx. 60 mins.) The product will have a variable pot life after mixing, depending on the ambient and material temperature.

2.5. Do not allow the mixed material to exceed 32ºC.

3. APPLICATION:

3.1. Ensure that the substrate is sound, free of dust and other contaminants to ensure optimum adhesion.

3.2. Dampen the substrate with clean water prior to coating application.

3.3. Start the application by treating the joints, live cracks and detailing with a bandage of **MasterSeal 588** having a 200mm wide reinforcing mesh, centrally placed along the treatment. Apply **MasterSeal 588** at 1.6 kg/m² (1000 microns WFT) to receive the reinforcing mesh. Immediately apply the reinforcing mesh onto the wet coat and press firmly using a stiff brush or scraper, adding approximately 0.8 kg/m² (approx. 500microns WFT) of coating to fully embed the reinforcing mesh.

3.4. Continue the coating application from wall / skirting to floor with the first coat at a minimum rate of 1.6 kg/m² (approx. 1000 microns WFT). The minimum skirting level is ideally terminated 100mm above the finished floor level. Allow the coating to dry before applying the second coat (approx. 6-8 hrs.).

3.5. Apply the second coat on the entire area including the skirting and detailing at a minimum rate of 1.6 kg/m² (approx. 1000 microns WFT).

3.6. Allow the final coat to completely dry prior to exposure to water.

Note:
For application on water tanks, it is ideal to complete the vertical application in two coats prior to horizontal application to avoid or reduce foot traffic over the floor coating while drying.

4. DRYING:

4.1. **MasterSeal 588** will initially dry in approximately 6 hours. Subsequent coats can be done once the initial coat is touch dry.

4.2. Ideally, final application of **MasterSeal 588** must be allowed to dry out for 7 days before immersion in water. However, this could be greatly affected by the ambient temperature and humidity. In open and highly ventilated areas, this period can be reduced to minimum 48 hours. For critical applications where the material will be subjected to hydrostatic pressure such as swimming pools and water tanks, 7days should be followed as a minimum period. Further inspection should be done for application on confined spaces as the drying time could be delayed. In general, this will be determined once the material does not show signs of tackiness.

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