

THIS METHOD STATEMENT COVERS PREPARATION AND APPLICATION OF **MasterEmaco 8100AP**.

GALVANIC PROTECTIVE COATING FOR STEEL REINFORCEMENT.

SINGLE COMPONENT, MOISTURE CURE EPOXY BASED ZINC RICH AND ACTIVE PROTECTIVE PRIMER.

METHOD STATEMENT: MasterEmaco 8100AP

1. GENERAL:

- 1.1. The area to be coated shall be marked on the drawings and on the structure.
- 1.2. All areas not to be coated, but which may be affected by spillage shall be fully masked. Flora and fauna shall be protected.
- 1.3. Any further areas to be coated shall be at the discretion of the Engineer and subject to re-measurement.
- 1.4. All deviations from the original Bill of Quantities or scope of works must be agreed in writing with the Engineer before application starts.
- 1.5. **MasterEmaco 8100AP** epoxy primer contains active corrosion inhibiting additives for the protection of reinforcement steel.
- 1.6. **MasterEmaco 8100AP** is a ready-to-use material that when mixed thoroughly forms a coating that can be applied by paint brush to the clean exposed reinforcement.

2. PREPARATION:

Surface preparation: Steel reinforcement

- 2.1. Ensure the steel reinforcement is fully exposed with all concrete removed from behind the steel.
- 2.2. Remove all loose surface rust / oxidation by means of wire brushing, grit blasting or high pressure washing. Wipe surfaces down with a wetted cloth to remove any final traces of oxidation (dust) and to cool down the steel surface if required.

3. MIXING:

- 3.1. Mix **MasterEmaco 8100AP** with a paddle mounted on a slow-speed drill, or by hand, until a smooth, lump-free "paint" consistency is achieved. This may take several minutes due to the high Zinc content that tends to settle at the bottom of the tins during storage.

4. APPLICATION:

- 4.1. Substrate temperatures must be a minimum of +5°C and a maximum of +35°C. The minimum temperatures must be maintained during application and for at least 24 hours thereafter for optimum curing of the product.

As a reinforcement primer:

- 4.2. Apply the mixed material in an even layer at approx. 0.13 kg/m² to the full circumference of the prepared reinforcement using a soft paint brush. When the first coat has dried sufficiently, (approx. 90 minutes) apply a second coat also at 0.13 kg/m² (7.5 m²/L)
- 4.3. It is important that this second layer has sufficiently cured before the repair mortar is applied. When applying the repair mortar by hand or as a spray applied mortar this can be done after approximately 2 hours.

5. CLEANING OF TOOLS:

- 5.1. While still wet clean brushes etc. with a suitable solvent such as MEK / Xylene. Once dry/cured the material can only be removed mechanically.

6. LIMITATIONS:

- 6.1. Any steel reinforcement that has been treated with **MasterEmaco 8100AP** must be over coated / encapsulated by a repair mortar within 48 hours of application. **MasterEmaco 8100AP** is **NOT UV** resistant and long-term exposure to **UV** light will degrade the material and potentially lower its effectiveness as a corrosion inhibitor.

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