

# MasterEmaco 8100 AP

## Single component epoxy-based zinc rich primer for steel

### MATERIAL DESCRIPTION

**MasterEmaco 8100 AP** is a single component, solvent borne zinc rich epoxy primer, providing active galvanic protection to steel. It is a thick grey liquid of paint-like consistency, recommended for use where chloride induced attack on steel and concrete is involved.

### PRIMARY USES

- As a protective coating to steel reinforcing bars in concrete.
- As a touch-up primer for damaged galvanised metal.
- As a primer for steel substrates prior to suitable top coating.

### ADVANTAGES

- Provides positive protection of steel components against corrosion.
- Excellent adhesion to steel.
- Easy to use single component material.
- No pot-life restrictions or wastage.
- Short overcoating time.

### PACKAGING

**MasterEmaco 8100 AP** is a single component system, supplied in 1 litre units.

### TYPICAL PROPERTIES\*

Appearance	Thick grey liquid
Specific gravity	2.20 at 25°C
Tack free time (Approximate)	20 mins at 25°C 5 mins at 40°C
Recoat time	5 hours at 25°C 2 hours at 40°C
T.Z.C. in DFT	>90%
DFT per coat	>50 microns
Application temperature	Min. 10°C Max. 40°C

### STANDARDS

**MasterEmaco 8100 AP** is formulated to meet the scope of BS 4652, 1995 Type 2.

### APPLICATION PROCEDURE

#### Surface Preparation:

The steel surfaces should be grit blasted or wire brushed to remove all traces of corrosion. Ensure no oil, grease or dust is present. Surfaces should be dry.

Apply **MasterEmaco 8100 AP** immediately after completion of preparation to prevent any contamination. Do not leave blasted or prepared steel uncoated.

#### Mixing:

**MasterEmaco 8100 AP** should be thoroughly mixed prior to application.

#### Application:

Brush the **MasterEmaco 8100 AP** onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. Repair mortars can be applied as soon as the **MasterEmaco 8100 AP** is dry.

### LONG TERM EXPOSURE

**MasterEmaco 8100 AP** is not designed as a finished coating. Although protection to the steel will be provided for some time, overcoating should be carried out as soon as possible, particularly in aggressive environments.

### COVERAGE

When used for coating steel 1 litre of **MasterEmaco 8100 AP** will cover 165 linear metres of 16mm diameter bar per coat and pro rata or 7.5m<sup>2</sup>/litre/coat.

### EQUIPMENT CARE

Tools should be cleaned with Methyl Ethyl Ketone immediately after use.

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### STORAGE

Store under cover, out of direct sunlight and protect from extremes of temperatures. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is at least 12 months from date of manufacture when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions' Technical Services Department.

### SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use.

### NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

### QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

\* Properties listed are based on laboratory controlled tests.

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