

# MasterEmaco<sup>®</sup> 8100 AP

Single component epoxy based zinc rich primer for steel

## 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 galvanized 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 liter units.

## TYPICAL PROPERTIES

Appearance:	thick grey liquid
Tack free time:	20 mins at 25°C
(approximate)	5 mins at 40°C
Recoat time :	5 hours at 25°C
	2 hours at 40°C
T.Z.C. in DFT	>90%
D.F.T. 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, 1971 Type 2.

## APPLICATION PROCEDURE

### SURFACE PREPARATION:

The steel surfaces should be or 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 liter of **MasterEmaco 8100 AP** will cover 165 linear meters of 16mm diameter bar per coat and pro rata or 7.5m<sup>2</sup>/liter/coat.

### EQUIPMENT CARE

Tools should be cleaned with MasterTop Thinner No. 2 immediately after use.

### DESCRIPTION & FIELD OF APPLICATION

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

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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's 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

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY AND CARE

All Master Builders Solutions Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and Master Builders Solutions ESHQ recommendations.

\* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC-Group in many countries

## CONTACT

Should you require any further information, please do not hesitate to contact us:

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### Disclaimer:

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with Master Builders Solutions and possible resulting damages are in the sole responsibility of the customer.

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