

MasterEmaco® 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 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%
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, 1995 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 litre of **MasterEmaco 8100 AP** will cover 165 linear metres of 16mm diameter bar per coat and pro rata or 7.5m²/litre/coat.

EQUIPMENT CARE

Tools should be cleaned with **MasterTop THN 2** immediately after use.

MasterEmaco[®] 8100 AP

STORAGE

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.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult MBCC'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 MBCC representative.

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

QUALITY AND CARE

All products originating from MBCC's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MBCC publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MBCC either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MBCC, are responsible for carrying out procedures appropriate to a specific application.

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