

MasterEmaco[®] 8100AP

Single component epoxy-based zinc rich primer for steel

DESCRIPTION

MasterEmaco 8100AP 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.

TYPICAL APPLICATIONS

- 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 AND COLORS

MasterEmaco 8100AP is a single component system, supplied in 1 L units and available in thick grey liquid.

STANDARDS

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

TYPICAL PROPERTIES*

Specific gravity	2.20 at 25°C
Tack free time (approximate)	20 min at 25°C 5 min at 40°C
Recoat time	5 h at 25°C 2 h at 40°C
T.Z.C. in DFT	>90%
D.F.T. per coat	>50 microns
Application temperature	min. 10°C max. 40°C

APPLICATION GUIDELINES

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

MIXING

MasterEmaco 8100AP should be thoroughly mixed prior to application.

PLACING / APPLICATION

Brush the **MasterEmaco 8100AP** 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 8100AP** is dry.

LONG TERM EXPOSURE

MasterEmaco 8100AP 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.

CLEANING

Tools should be cleaned with a suitable solvent such as MEK / Xylene immediately after use.

COVERAGE / YIELD

When used for coating steel 1 L of **MasterEmaco 8100AP** will cover 165 linear metres of 16 mm diameter bar per coat and pro rata or 7.5 m²/L/coat.

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STORAGE AND SHELF LIFE

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 Master Builders Solutions Technical Services Department.

HEALTH AND SAFETY

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.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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

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