

# MasterEmaco<sup>®</sup> P 130

Two component epoxy based zinc rich primer for steel

## DESCRIPTION

**MasterEmaco P 130** is a two 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 is likely.

## RECOMMENDED 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.

## FEATURES AND BENEFITS

- **Protects steel** – provides active protection against steel corrosion.
- **Excellent adhesion** – bonds to steel to create a protective anti-corrosion barrier.
- **Fast installation** - Short overcoating time.

## PROPERTIES

Aspect	: Thick grey suspension
Mixed density	: 2.9 ± 0.1 kg/litre
Volume Solids, %	: 57 ± 3
Mixing Ratio, by volume	: 4(B) : 1(H)
Pot Life	: 120 Minutes at 25°C
Tack free time	: 25 Minutes at 25°C : 10 Minutes at 40°C
Recoat time	: 6-8 Hours at 25°C : 2-4 Hours at 40°C
Total zinc content in dry film D.F.T. per coat	: >84% by weight : > 50 microns
Application temperature	: minimum 10°C : maximum 40°C

## STANDARDS

**MasterEmaco P 130** is formulated to meet the scope of BS 4652, Type 2

## APPLICATION

### 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.

### Mixing:

Stir each component of **MasterEmaco P 130**. Add Hardener to Base and mix using a drilling machine fitted with a mixer.

### Application:

Apply **MasterEmaco P 130** immediately after completion of preparation to prevent any contamination. Do not leave blasted or prepared steel uncoated.

Brush the **MasterEmaco P 130** onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. In case of doubt on achieving continuous film in one coat apply second coat immediately after the drying of the first coat. Please consult Maser Builders Solutions representative for advising the numbers of coats necessary. Repair mortars can be applied as soon as the **MasterEmaco P 130** is dry.

**MasterEmaco P 130** 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.

### Equipment care

Tools should be cleaned with CLEANING SOLVENT NO. 2 immediately after use.

## ESTIMATING DATA

Each 1 litre pack can cover 8 - 10 m<sup>2</sup>/coat on smooth substrates. On rebar approximate coverage shall be as under:

Diameter of rebar (in mm)	Coverage Running meter/litre/coat
8	210 ~ 265
12	140 ~ 175
16	105 ~ 135
25	85 ~ 115
32	55 ~ 65

## PACKAGING

**MasterEmaco P 130** is a two component system, supplied in 1 litre combined unit.

## 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 six months when stored as above.

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## PRECAUTIONS

It is highly recommended to use necessary PPE (Gloves, mask etc.,) during installation of the product. In case of Incidents of direct inhalation, causing dizziness/giddiness, loss of consciousness, contact with eyes etc, seek immediate medical advice. The requirements may vary depending on the application areas. Please ensure to have proper ventilation while working in confined areas. Contact Master Builders Solutions representative in case you need further details or refer to the material safety datasheet of the product to know more.

MasterEmacoP130/02/0418

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### STATEMENT OF RESPONSIBILITY (Disclaimer)

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

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

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