

MasterEmaco[®] 8100 AP

Single component epoxy-based zinc rich primer for steel

DESCRIPTION OF PRODUCT

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

- Fast drying time when applied in thin layers (40 microns) – approximately 30 min at 23°C
- 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 over coating time
- Easily brush applied

PACKAGING

MasterEmaco 8100 AP is a single component system, supplied in 1 kg

TYPICAL PROPERTIES

Appearance:	Thick grey liquid
Specific gravity:	1.8-2.2 at 25°C 30 minutes at 23°C
Tack-free time: (approximate)	23°C
Recoat time:	4 hours at 23°C 2 hours at 35°C
Full dry	4 hours at 23°C
DFT per coat:	40 microns 2 [0.275 kg./m ²]
Application temperature [ambient]:	Minimum 5°C Maximum 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 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 stirred 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. Only one coat of **MasterEmaco 8100 AP** is required.

Repair mortars can be applied as soon as the **MasterEmaco 8100 AP** is dry.

LONG TERM EXOSURE

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

COVERAGE

7.5m²/litre (0.275kg./m²) for 40 Micron

D.F.T

Number of coats: 1-2 depending on application

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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.

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.

Minimum 12 months if stored in unopened containers according to manufacturer's instructions.

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. Re-seal 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 STATEMENT

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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