

PRODUCT DATA SHEET

SikaEmaco[®]-8100 AP

(formerly MEmaco 8100AP)

Single component epoxy-based zinc rich primer for steel

DESCRIPTION

SikaEmaco[®]-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.

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

- 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

CERTIFICATES AND TEST REPORTS

MasterEmaco 8100 AP is formulated to meet the scope of BS 4652, 1971 Type 2

PRODUCT INFORMATION

Packaging	SikaEmaco [®] -8100 AP is a single component system, supplied in 1 kg
Shelf life	Minimum 12 months if stored in unopened containers according to manufacturer's instructions.
Storage conditions	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.
Appearance and colour	Thick grey liquid
Consumption	7.5m ² /litre (0.275kg./m ²) for 40 Micron D.F.T Number of coats: 1-2 depending on application
Ambient air temperature	Minimum 5°C Maximum 40°C
Tack free time	30 minutes at 23°C

Waiting time to overcoating	4 hours at 23°C 2 hours at 35°C
Drying time	4 hours at 23°C

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS OF USE

LONG TERM EXOSURE

SikaEmaco®-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.

FURTHER DOCUMENTATION

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.

ECOLOGY, 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. Re-seal containers after use.

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

MIXING

SikaEmaco®-8100 AP should be thoroughly stirred prior to application.

APPLICATION

Brush the SikaEmaco®-8100 AP onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. Only one coat of SikaEmaco®-8100 AP is required.

Repair mortars can be applied as soon as the SikaEmaco®-8100 AP is dry.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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SikaEmaco®-8100 AP
September 2024, Version 02.02
020302000020002002

SikaEmaco-8100AP-en-NG-(09-2024)-2-2.pdf