



## METGUARD

Single component epoxy protective coating for steel and RCC

### Description

**METGUARD** system comprises of a single component, penetrating silane /silaxone primer and a single component pigmented coating of epoxy, both ready for immediate site use. METGUARD is aliphatic acrylate, solvent based protective coating, providing outstanding resistance to aggressive agents, UV light and rain. It is available in a selected range of colors.

### Advantages

- Anti-fungal
- Anti-bacterial
- Eco friendly
- Excellent barrier to carbon dioxide, chloride ions
- Sulphate, oxygen and water
- Allows water vapor to escape from the structure
- Highly UV resistant aliphatic acrylate gives
- Resistance to the effects of long term weathering
- Highly durable in all climatic conditions
- Selected range of decorative colours
- Ease of application - single pack - no mixing of separate component

### Uses

- To protect atmospherically exposed reinforced concrete structures from attack by acidgases,
- chloride ions, sulphate, oxygen and water
- Suitable to protect the other cementitious substrate and masonry
- All types of structures, especially those in aggressive marine and coastal environments
- Repair system of concrete reinforcement

## Technical Information

PROPERTIES	RESULTS
Appearance	Different colors
Permeability	Nil
Depth of carbonation	Nil @ 2 hours

## Method of Application

- In order to obtain the protective properties of the METGUARD system, it is important that the correct rates of application and over coating time are observed.

	PRIMER	METGUARD
No of coats	As per requirement	2
Application rates	0.4lit/m <sup>2</sup>	0.35 lit/m <sup>2</sup>
Total dry film thickness	NA	150 micron
Over coating time	2 hours @ 20°C 90 min @ 30°C	6 hours @ 20°C 5 hours @ 30°C

- Application should not commence if the temperature of the substrate is below 10°C.
- METGUARD PRIMER should be applied in one or more coats until the recommended application rate of 0.4 liter per square meter has been achieved.
- The primer should be allowed to dry for a minimum of 2 hours or dry touch before application of METGUARD.
- METGUARD may be applied by the use of suitable brushes or rollers.
- All primed substrates should be treated with two coats of METGUARD.
- The first coat should be applied to all areas by the use of suitable brushes or rollers to achieve a uniform coating with wet film thickness not less than 175 microns.
- The second coat of METGUARD should be applied exactly as detailed above, again achieving a wet film thickness not less than 175 microns.

## Coverage

- METGUARD will give coverage of 0.3 lit /m<sup>2</sup>.

## Supply

- It is supplied in 5 & 20 lit pack.

## Self-Life

- 1 year from the date of manufacturing if stored in cool dry place under shaded area and if unopened sealed pack condition surface after completion of the preparation work.

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