

## STEELPRIME

### Description

Steelprime is a two pack, water-based, anti-corrosive coating designed for the protection of steel and concrete surfaces.

Whilst optimum performance will only be achieved by applying to well prepared substrates,

Steelprime will adhere well to minimally prepared surfaces.

Steelprime has been formulated to provide fast touch dry times and rapid hardness development.

### Typical Use

As an anti-corrosive primer for steel work.

As holding primer for grit blasted steel surfaces.

As a chemical, and water vapour-resistant barrier coating for old and new concrete.

### Advantages

- \* Non toxic
- \* Fast drying
- \* May be applied to damp or dry surfaces
- \* Excellent anti-corrosive properties
- \* Compatible with a wide range of top coats
- \* Long overcoating window
- \* Easily applied
- \* Very good adhesion to different substrates
- \* Early water resistance
- \* Good chemical resistance
- \* Satisfactory low temperature curing characteristics
- \* Highly resistant to water vapour permeation

### Typical Properties

Colours: Light grey, red (other colours available on request)

Volume Solids: 60%

s.g.: 1.46

Pot Life: 3 hours at 20C

Curing @ 20C

Touch Dry @ 1 - 2 hours

Hard Dry @ 4 hours

Full Cure @ 7 days

Overcoating at 20C:

minimum @ 6 hours,  
maximum @ 2 months.

### PROCEDURE

#### 1. Surface Preparation

a) Steel / Galvanised steel: Any rust, mill scale and other contaminants should be removed by grit blasting to Swedish Standard Sa 2.5.

Reduced levels of surface preparation, e.g. wire brushing to remove loose rust, are permissible, but will lead to lower performance characteristics.

b) Existing Coatings: If well bonded, existing coatings shall be abraded and solvent wiped prior to top coating with Steelprime.

Alternatively, the existing coating may be subjected to a light grit sweep. Any unsound or loosely adhering coatings must be removed by mechanical means.

c) Concrete: shall be grit blasted to remove all laitance and other contaminants. Any blow holes should be filled using EPA, or Surfacer.

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## ***SPECIALIST PAINTS FOR INDUSTRY***

### 2) Mixing

Mix the two components together, preferably by mechanical means, until a uniform consistency has been achieved.

### 3) Application

Apply the material by brush, roller or airless spray, at a nominal rate of 4.8Sq.m. per litre coat. A second coat should be applied after a minimum of 4 hours cure @ 20C, or else one of the Coating systems may be applied.

### 4) Equipment Cleaning

Clean all equipment, immediately after use, with Toolclean.

### 5. Curing

Steelprime will be touch dry following 1-2 hours cure @ 20C in conditions of good ventilation.

Following 4 hours cure @ 20C the material will be hard dry, and then may be re-coated.

Allow 7 days cure @ 20C for optimum chemical resistance and mechanical properties.

### 6. Packaging

1, 5 and 20 litre packs.

### 7) Coverage

One litre of Steelprime will be sufficient to treat 2.4 Sq.m. with the recommended two coat treatment, achieving an overall dry film thickness of 250 microns.

i.e. typical application rate is 4.8 Sq.m. per litre coat.

### 8) Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10C and 25C. Avoid frost.

Steelprime has a shelf life of 12 months when stored in original, unopened containers in accordance with the manufacturers instructions.

### 9) Limitations

Do not apply to uncured concrete.

Do not apply at temperatures below 3C or when Relative Humidity exceeds 80%.

Matt finish only.

### 10) Health & Safety

Avoid contact with skin and eyes using appropriate gloves, clothing and eye protection.

Wash off all splashes immediately using soap and water.

If contact with eye occurs, irrigate with copious amounts of clean water and seek medical attention.

Please refer to Material Safety Data Sheet for additional information.

Steelprime shall be applied strictly in accordance with the instructions of the manufacturer.

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