

# RED OXIDE PRIMER

**HAMMERITE**  
PRODUCTS LIMITED

Rust-stabilising primer for bare and rusty iron and steel

Technical Data Sheet T11130

## Product description

### Definition

Traditional anti-corrosive rust-stabilising primer

### Purpose

For direct application to bare and rusty iron and steel. Penetrates and stabilises existing rust. Creates barrier to prevent further rust. *Typical applications:* cast ironwork, machinery, railings, street furniture, structural steelwork

### Composition

Oil-modified alkyd containing heat-hardened glass flakes which leaf together during drying, and anti-corrosive pigments. Contains no added lead

### Key features

- Corrosion resistant
- Eliminates expensive surface preparation
- Provides a stable, smooth surface ready for painting

### Limitations

- NOT suitable for:
  - use on equipment operating at or above 150°C (302°F)
  - contact with potable water/foodstuffs
  - permanent immersion
  - use on non-ferrous metals

### Appearance

Brush-thixotropic, ready for brush application. Smooth matt finish

### Colour

Red

### Packaging

- (tins) 250 and 500ml and 2.5 litre

### Availability

Merchant stockists throughout UK (including Northern Ireland)

## Usage

### Surface preparation

Special precautions should be taken to avoid inhalation of dust during surface preparation of pre-1960's paint surfaces over wood and metal as they may contain harmful lead

- Ensure surface is clean and free from loose rust, millscale, paint, oil and grease
- Degrease bare metal with Hammerite Brush Cleaner and Thinners
- Preparation standard: St 2 (SIS 05 59 00) via wire brushing in 2 directions

### Application methods

- BRUSH, ROLLER, CONVENTIONAL or AIRLESS SPRAY
- BRUSH:
  - Stir before use
  - Apply 1 or 2 coats, allowing minimum 4 hours between coats
  - Ensure corners and edges are well-covered
  - Apply topcoat after minimum 4 hours
- NOTE: For best results, 24 hours should be allowed before application of topcoat
- ROLLER (for large flat surfaces):
  - Thin if necessary with Hammerite Brush Cleaner and Thinners up to maximum 9 parts paint to 1 part thinners

NOTE: Do NOT use cellulose thinners or white spirit

- Apply 2 coats, using short pile mohair roller

NOTE: Other types of roller may be unsuitable

- Brush in edges and corners first
- Apply topcoat after minimum 4 hours

## Technical Data

### Ideal application conditions

- Temperature range: 8-25°C (46-77°F)
- Maximum relative humidity: 85%

### Recommended film thickness

- Wet: 80 microns (0.0032")
- Dry: 50 microns (0.0020")

NOTE: The number of coats required to achieve this will vary depending on the substrate and method of application

### Typical coverage

Brush: 12 sq.metres per litre

### Drying times (under good drying conditions)

- Touch dry: 1 hour
- Tack free: 3 hours
- Recoatable (with itself/other alkyds): 4 hours
- Overcoatable (with acrylics/cellulose/polyurethanes): 8 hours

### Performance

- Corrosion resistance: Passes over 1000 hours ASTM B-117 1973 at recommended dry film thickness
- Temperature resistance range:
  - Intermittent use: Minus 30°C (minus 22°F) up to 150°C (302°F) maximum
  - Continuous use: Recommended maximum 80°C (176°F)

### Compatibility

Most topcoats including Hammerite Metal Finishes (see Technical Data Sheet **T11144**) plus...

- alkyds
- urethanes
- nitrocellulose
- acrylics and water based (eg. vinyl acrylic, styrene acrylic)

### Cleaning

After use, clean equipment with Hammerite Brush Cleaner and Thinners

NOTE: Do NOT use cellulose thinners or white spirit

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Application methods continued overleaf

- CONVENTIONAL SPRAY (for large flat and uneven surfaces):
- Thin with Hammerite Brush Cleaner and Thinners, 9 parts paint to 1 part thinners

NOTE: Do NOT use cellulose thinners or white spirit

- Recommended pressure 25-35psi (approximately 2 bar) full fan spray at maximum spray volume
- Apply mist coat and allow to dry (15-30 minutes)
- Apply further 2 coats allowing 15-30 minutes between coats
- Apply topcoat after minimum 4 hours
- AIRLESS SPRAY (for large flat and uneven surfaces):
- No thinning normally necessary
- Recommended pressure: 2000psi (approximately 130 bar) with nozzle 375 microns (0.015")
- Apply 1 or 2 coats allowing 3-4 hours between coats
- Apply topcoat after minimum 4 hours

## Other information

### Safety guidelines

Before applying this product as instructed, users should ensure they have obtained and read Hammerite Safety Data Sheet

**S11130B** which gives detailed safety information and guidance.

The following advice is NOT comprehensive, but represents general good practice on-site:

- Wear suitable protective clothing
- Avoid contact with skin and eyes
- Use only in well-ventilated areas
- When spraying, do not inhale vapour. If ventilation is inadequate, wear suitable respiratory equipment
- Keep containers closed when not in use
- Keep out of reach of children

### Storage

- Store in a dry, well-ventilated area
- PROTECT FROM FROST AND EXTREMES OF TEMPERATURE
- PROTECT FROM STRONG SUNLIGHT

### Shelf life

Minimum 3 years at 21°C (70°F) stored in original, unopened containers

### For safe disposal

Remove as much paint as possible from brushes, rollers and equipment before washing. Some local authorities have special facilities for disposing of waste paint. Do not empty into drains and watercourses