

## HAMMERITE SPECIAL METALS PRIMER

### TECHNICAL DATA SHEET

Version 2 – 2018 June

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

**Hammerite Special Metals Primer** is a water based primer, specially formulated to promote topcoat adhesion on non-ferrous metal surfaces such as aluminium, galvanised and stainless steel, chrome and copper.

### PRODUCT USES

- A water-based primer to promote adhesion of the topcoats on typically shiny, smooth non-ferrous metal surfaces
- Can be applied on bare metal surface, painted metal surfaces, smooth metal surfaces, unpainted galvanised & aluminium and non-ferrous metal surfaces.

### FEATURES AND BENEFITS

- Excellent adhesion on all non-ferrous metals.
- Fast drying.
- Low odour.

### PRODUCT INFORMATION

<b>Colour</b>	Red Liquid
<b>Spreading Rate</b>	Approx. 16m <sup>2</sup> per litre per coat by brush depending on surface porosity, profile and application method
<b>Recommended thickness</b>	Film thickness will be dependent on the coverage achieved Wet ( <b>WFT</b> ) Min. 60µm Dry ( <b>DFT</b> ) Min. 30µm <b>Note:</b> Normally applied in 1 coat
<b>Flash Point</b>	Non-flammable
<b>Adhesion</b>	Excellent adhesion to non-ferrous metal when preparation instructions are followed.
<b>Temperature resistance</b>	Range when fully cured. <u>Intermittent use:</u> Minus 30°C up to 150°C maximum. <u>Continuous use:</u> Recommended maximum 80°C.
<b>Service Limitations</b>	Not suitable for: <ul style="list-style-type: none"> <li>• Use on equipment operating at or above 80°C.</li> <li>• Contact with drinking water or foodstuffs.</li> <li>• Permanent immersion.</li> </ul>
<b>VOC Levels</b>	Hammerite conforms to EU Directive 2004/42/CE for VOC. The product shown above is classified as Category A/i 140g/l (2010). The product contains a max. 20g/l.

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### APPLICATION INFORMATION

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Mixing	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 8 - 30°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.
Application methods	<p><b>BRUSH</b></p> <ul style="list-style-type: none"> <li>• Apply one coat.</li> <li>• Apply a suitable topcoat after 2 hours.</li> </ul> <p><b>CONVENTIONAL SPRAY</b></p> <ul style="list-style-type: none"> <li>• No thinning required</li> <li>• Recommended pressure; 25-35psi (approximately 2bar)</li> <li>• Apply one coat</li> </ul>
Thinner	Thinning not recommended. Ready for use after thorough stirring.
Drying Time	Under good drying conditions: Touch Dry /Tack-free: 30-60 minutes at 23°C.
Recoating Time	2 hours at 23°C (drying times will be extended during cold, wet or humid conditions).
Cleaning of equipment	After use, remove as much product as possible, and then clean immediately with water.
Substrates	Suitable for priming non-ferrous metal surfaces such as aluminium, galvanised and stainless steel, chrome and copper.
Precautions:	<p>Do not apply during cold (below 10°C) or wet weather.</p> <p>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.</p> <p><u>Not suitable for:</u> Use on equipment operating at or above 80°C, or contact with potable water/foodstuffs and permanent immersion</p>
Coats Required	Apply one or two coats to achieve the recommended minimum dry film thickness.
Top Coating	Apply <b>Hammerite Direct To Rust Metal Paint</b> after a minimum of 6 hours. For best results allow 24 hours.

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### SURFACE PREPARATION

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

- Ensure surface is clean and free from dirt, grease, oil and salt.
- For degreasing, use a detergent solution or **Hammerite Brush Cleaner & Thinners**
- Rinse thoroughly with clean water and allow to dry.
- Remove any loose paint or rust with a wire brush or emery paper.
- Patch prime any rusty areas with **Hammerite No1 Rust Beater**

### NEW SURFACES

- Prime sound, bare areas of non-ferrous metal before applying finishing coats.

### RUSTY SURFACES

- Patch prime any rusty areas with **Hammerite No.1 Rust Beater Primer**.

### HEALTH AND SAFETY INFORMATION

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**Hammerite** paints contains no added lead.

Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice immediately and show this container to the doctor. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible.

If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not empty into drains or watercourses.

Ensure good ventilation during application and drying. It is recommended to use suitable protective clothing and equipment. To avoid the risk of spillage, always store and transport containers in a secure upright position. Refer to Material Safety Data Sheet for complete information.

### ADDITIONAL INFORMATION

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Packaging	250ml and 500ml
Storage Conditions	Store in a well-ventilated area below 25°C. Store in a dry, well ventilated area. Protect from extremes of temperature, i.e. frost and strong sunlight.
Shelf Life	Minimum 2 years at 21°C stored in original, unopened container.
Disclaimers	Hammerite is intended for decorative applications and hence is not recommended for heavy industrial or high end performance coatings applications.

## HAMMERITE SPECIAL METALS PRIMER

### TDS STANDARD DISCLAIMER

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The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

Important Note; Technology may change with time, necessitating changes to this Technical Data Sheet (TDS).

It is the responsibility of the user to ensure that the latest TDS is being used for reference. Dulux Technical Data Sheets are available on our website [www.dulux.co.za](http://www.dulux.co.za) or please contact: Dulux On-Line on 0860 330 111.

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