

## DULUX STEEL PRIMER

### TECHNICAL DATA SHEET

Version 1 – 2015 JUNE

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

Versatile corrosion resistant steel primer for use on new or lightly rusted iron and mild steel.

### PRODUCT USES

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- For application to correctly prepared new or lightly rusted iron or mild steel.
- Gives an excellent primed surface for most decorative Undercoats and Top coats.

### FEATURES AND BENEFITS

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- General-purpose high quality corrosion resistant primer.
- Good adhesion to substrate.
- Suitable for new or hand cleaned rusty surfaces.
- Non-drip, easy brushing with good flow and levelling properties.
- No added lead

### PRODUCT INFORMATION

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<b>Appearance</b>	Matt to Low Sheen
<b>Colour</b>	Light Grey
<b>Binder Type</b>	Modified Alkyd with zinc phosphate
<b>Density at 23°C</b>	Approx. 1.15
<b>Solids Content</b>	By weight: Approx. 58% By volume: Approx. 40%
<b>Packaged Viscosity</b>	Viscosity at 23°C: Approx. 65 KU
<b>Spreading Rate</b>	8 to 10m <sup>2</sup> per litre depending on surface porosity, profile and application method
<b>Recommended DFT per coat</b>	Min. 40µm. Max. 50µm.
<b>Recommended WFT per coat</b>	Min. 100µm. Max.125µm.
<b>Flash Point</b>	37°C

## DULUX STEEL PRIMER

### APPLICATION INFORMATION

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Mixing	Stir until homogeneous with a flat paddle
Application Surface conditions	Surface Temperature between 10 - 35°C Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.
Application methods	Brush, roller and spray Brush application preferred to ensure wetting of the surface
Thinner	Thinning not recommended. Ready for use after thorough stirring. Mineral Turpentine if required for spraying to maximum of 10%.
Drying Time	Touch dry 4 hours at 23°C
Recoating Time	18 hours at 23°C (Recoating 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 Mineral Turpentine or <b>Dulux Brush Cleaner/Degreaser</b> .
Substrates	Suitably prepared mild steel and iron.
Coats Required	Apply one or two coats <b>Dulux Steel Primer</b> , depending on the severity of the conditions. Two coats are preferred for coastal conditions and chemical works.
Top Coating	Over-coat primer with one coat of <b>Dulux Universal Undercoat</b> , and finish with two coats of selected Dulux decorative topcoat
Precautions	Do not apply during cold (below 10°C) or wet weather. Not designed to withstand natural weathering. Overcoat within one week particularly in a marine atmosphere. Not suitable for direct application to powdery or friable surfaces whether previously painted or not.

### SURFACE PREPARATION

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Ensure that surfaces are dry, sound and free from dust, dirt, grease and oil.

#### NEW SURFACES

##### **Mild Steel and Iron**

- Inspect shop-primer thoroughly for damage by installation. All rust, scale and dirt must be removed by scraping or with steel wire brushes, and then thoroughly sand with medium grit sandpaper and finish with fine grit sandpaper - down to a bright metal finish. Ensure that the sanded areas are dry and free of grease and dust. A solvent wash (rags dipped in lacquer thinner) may be used. Change the rags frequently. Allow drying.

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### SURFACE PREPARATION

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- For best paint system performance follow primer with **Dulux Universal Undercoat** before applying the selected finishing coat.

### PREVIOUSLY PAINTED SURFACES

- Sand enamel surfaces to provide a key and improve adhesion.
- Rust and flaking paint must be completely removed prior to spot-prime exposed substrate with **Dulux Steel Primer**. Build up spot-primed areas with **Dulux Universal Undercoat** to the same level as the rest of the paintwork.

### HEALTH AND SAFETY INFORMATION

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This product 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.

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	1Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	N/A product specific

### TDS STD 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. Email [ZA.Helpline@akzonobel.com](mailto:ZA.Helpline@akzonobel.com)

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