

## DULUX TRADE STEEL PRIMER

### TECHNICAL DATA SHEET

Version 1 – 2017 SEPTEMBER

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

Versatile primer for new or lightly rusted iron and steel

### PRODUCT USES

- Gives an excellent primed surface for top coating with most decorative Undercoats and Enamels.

### FEATURES AND BENEFITS

- High quality general-purpose corrosion resistant metal primer.
- Suitable for new or hand-cleaned rusty surfaces.
- Easy brushing and good levelling properties.

### PRODUCT INFORMATION

|                                 |   |
|---------------------------------|---|
| <b>Appearance</b>               | Matt  |
| <b>Colour</b>                   | Light Grey  |
| <b>Binder Type</b>              | Modified Alkyd with Zinc Phosphate  |
| <b>Density at 23°C</b>          | Approx. 1.15Kg/L  |
| <b>Solids Content</b>           | By weight: Approx. 58%<br>By volume: Approx. 39%  |
| <b>Packaged Viscosity</b>       | Viscosity at 23°C: Approx. 65 KU  |
| <b>Spreading Rate</b>           | Approx. 10 -12m <sup>2</sup> per litre depending on surface porosity, profile and application method. |
| <b>Recommended DFT per coat</b> | Min. 30µm. Max. 40µm.   |
| <b>Recommended WFT per coat</b> | Min. 80µm. Max.100µm  |
| <b>Flash Point</b>              | 37°C  |

### 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 or roller. Brush application preferred to ensure wetting of the surface.                             |

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### APPLICATION INFORMATION

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| Thinner               | Thinning not recommended. Ready for use after thorough stirring.   |
| Drying Time           | Touch dry 4 hours at 23°C.   |
| Recoating Time        | 18 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 <b>Dulux Pre-Paint Brush Cleaner/Degreaser</b> or Mineral Turpentine.   |
| Substrates            | Suitably prepared mild steel and iron.   |
| Precautions:          | Do not apply during cold (below 10°C) or wet weather.<br>Not designed to withstand natural weathering. It should be over coated within 1 week particularly in coastal conditions.<br>Not suitable for direct application to powdery or friable surfaces whether previously painted or not. |
| Coats Required        | Apply one or two coats <b>Dulux Trade Steel Primer</b> , depending on the severity of the conditions to achieve a minimum continuous total film of 30µm microns. Two Coats are preferred for coastal conditions.   |
| Top Coating           | Over-coat primer with one overall coat <b>Dulux Universal Undercoat</b> or <b>Dulux Trade Universal Undercoat</b> , and finish with two coats of selected Dulux decorative topcoat   |

### SURFACE PREPARATION

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Ensure that surfaces are sound and free from rust, dust, dirt, grease and oil. Surfaces must be thoroughly dry.

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

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### SURFACE PREPARATION

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#### 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 Trade Steel Primer**. Build up spot-primed areas with **Dulux Trade Universal Undercoat** to the same level as the rest of the paintwork.

### HEALTH AND SAFETY INFORMATION

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Solvent based paints are flammable.

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.

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          | 5Lt   |
| Storage Conditions | Store under cool dry conditions away from direct sunlight, heat and extreme cold. |
| Disclaimers        | N/A product specific  |

### 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.duluxtrade.co.za](http://www.duluxtrade.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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