

DULUX TRADE STEEL PRIMER

TECHNICAL DATA SHEET

Version 3 – 2024 MARCH

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

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

APPLICATION INFORMATION

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

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 Dulux Pre-Paint Brush Cleaner/Degreaser or Mineral Turpentine.
Substrates	Suitably prepared mild steel and iron.
Precautions:	Do not apply during cold (below 10°C) or wet weather. Not designed to withstand natural weathering. It should be over coated within 1 week particularly in coastal conditions. Not suitable for direct application to powdery or friable surfaces whether previously painted or not.
Coats Required	Apply one or two coats Dulux Trade Steel Primer , 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 Dulux Universal Undercoat or Dulux Trade Universal Undercoat , and finish with two coats of selected Dulux decorative topcoat

SURFACE PREPARATION

Ensure that surfaces are sound and free from contaminants such as rust, mill scale, salt, algae, dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry.

NEW SURFACES

Mild Steel and Iron

- Inspect shop-primer thoroughly for damage by installation. Abrade new surfaces lightly and remove rust, mill scale by sanding, scraping or with steel wire brushes back to sound mild steel and iron or sandblast to SA 2½.
- 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, OR clean with **Dulux Galvanised Iron Cleaner** according to technical data sheet.
- 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

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

Danger. Flammable liquid and vapor. May cause drowsiness or dizziness. May cause cancer. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Solvent based paints are flammable. Dulux Trade paints contain 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.

Safety and Technical Datasheets available on request or visit www.duluxtrade.co.za. Call a POISON CENTRE or doctor/physician if you feel unwell. Dispose of contents and container in accordance with all local, regional, national or international regulations.

To avoid the risk of spillage, transport containers in a secure upright position. Always store under ambient conditions.

ADDITIONAL INFORMATION

Packaging	5Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	Colour swatch references are as accurate as modern printing will allow.

TDS STANDARD DISCLAIMER

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 or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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