AUDU05751 Dulux Metalshield® Rust Primer Primer

Description and Image

Metalshield Rust Primer is the ultimate 2-in-1 primer that blocks and stops rust. This fast drying technology is ideal for projects that require easy application and quick turnaround.



Features and Benefits

- Ultimate 2-in-1 converter and primer
- Blocks against existing rust & protects against further rusting
- Easy To Apply
- Fast dry cationic acrylic primer
- Recoat after 1 hour

Uses

Use only on rusted metal items and areas.
Designed to react with a encapsulate rusted areas on the surface.

✓ Interior ✓ Exterior

Precautions and Limitations

Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Dulux Customer Service on 132525

USE IN RESIDENTIAL AND NON STRUCTURAL APPLICATIONS in the refer to the Dulux PC Datasheet line on page 1.

Dulux recommends that the Standard AS/NZS 2312 (as updated) be followed using the appropriate Dulux Protective Coatings products when coating Structural, Infrastructure, Commercial and Industrial fabrications.

ENSURE TO REMOVE ALL FLAKY RUST PRIOR TO APPLICATION OF DULUX METALSHIELD RUST PRIMER.
REMOVE ALL DUST FROM ANY PREPARATION STEPS BEFORE APPLICATION.

Do not paint at temperatures at or below 10°C or when the temperature may fall below 10°C during the drying period.
Rain or dew will damage the film during the drying period. Whilst this product is lead free, it contains dispersants and inhibitors which will affect drinking water. When priming roofs used for collection of drinking water, disconnect run off pipes until the primer has been coated with an appropriate Dulux Top Coat.

SHAKE CONTAINER FOR 15-20 SECONDS BEFORE OPENING.
POUR CONTENTS INTO A PLASTIC CONTAINER OR ROLLER TRAY
DO NOT STORE EXCESS PAINT IN A METAL CONTAINER
DO NOT RETURN DECANTED MATERIAL TO THE ORIGINAL CONTAINER

DO NOT USE THE SAME BRUSH OR ROLLER TO APPLY DULUX METALSHIELD RUST PRIMER AS YOU USE FOR ANY WATER BASED TOPCOAT.
Dulux Metalshield Rust Primer is a Cationic system and will cause normal water based paints to coagulate immediately on contact.

DO NOT TINT
DO NOT THIN

Product	Code	BarCode
Dulux MetalShield Rust Primer 500ml	51WD0151-500ml	9300611634511
Dulux MetalShield Rust Primer 1L	51WD0151-1L	9300611634528

Performance Guide

Weather **Excellent weather resistance as part of a system**	Salt **Good as part of a system**
Heat Resistance **Excellent resistance to usual exterior exposed surface temperatures**	Water **Excellent resistance to rain and condensation from prolonged periods as part of a system.**
Solvent **Sensitive to aromatic hydrocarbons alcohols and ketones.**	Abrasion **N/A**
Acid **N/A**	Alkali **N/A**

Typical Properties

Gloss Level **Low Sheen**	Thinner **DO NOT THIN**
Colour **Clear when Dry DO NOT TINT**	
Components **1**	Number of Coats **1 or 2 coats**
Toxicity **Causes skin irritation. Causes serious eye irritation.**	V.O.C. Level **65 g/l**
Shelf Life **2 years minimum in an unopened container**	Meets GBCA V.O.C. Requirements? **No**
Touch Dry **30 minutes**	

Clean Up

Water

Use Xylene to remove dried primer from equipment

Clean Up Description
Use Potable water to clean up while wet

Application Methods

Air Spray **Brush** **Roller**

Application Conditions

Solids by Volume: **37.6**

	Min	Max	Recommended
Wet Film Per Coat (microns)	**100**	**150**	**100**
Dry Film Per Coat (microns)	**37.6**	**56.4**	**37.6**
Recoat Time (min/hours)	**60 mins**	**168 hours**	**60 mins**
Theoretical Spread Rate (m²/L)	**10.00**	**6.67**	**10.00**

Typical Property Notes

DRYING CHARACTERISTICS AT 38um Dry Film Thickness

					OVERCOAT	
Temperature	**Humidity**	**Touch Dry**	**Handle**	**Full Cure**	**Min**	**Max**
10C	50%	1.5 hours	2 Hours	7 Days	3 Hours	7 Days
15C	50%	1 Hour	2 Hours	7 Days	3 Hours	7 Days
25C	50%	30 Minutes	2 Hours	7 Days	1Hours	7 Days

The drying figures are a guide only as ventilation, film thickness humidity, thinning and other factors will influence the drying rate
SPREADING RATE 10 square metres per litre equals 38um dry film thickness
Assumes no losses
NOTE: Practical Spreading rates will vary depending on such factors as colour, application method, ambient conditions, and surface roughness

Application Guide

Surface Preparation

The rusted surface must be free from grease, oil, dirt, mill scale, with as little rust as possible remaining on the surface..

NOTE: If application is by Brush and Roller, Additional coats will be necessary to achieve the Minimum DFT and Rust coverage

METALSHIELD RUST PRIMER™ WILL TURN BLACK over time as the rust is converted and encapsulated. If any red or brown areas remain apply an additional coat.

Use on Rusted Steel, Wrought Iron, Cast Iron, and after removal of flaking rust.
Use as a spot primer on rusted areas of galvanised iron, Colorbond®, Colorsteel ®, and Zincalume ®.

PROCESS:

1. Remove any loose, flaking rust by scraping, Sanding with p320 sand paper or wire brushing. Use power tools to assist in speeding the rust removal process.
2. Use Mineral Turpentine to remove all grease oil and rust residues and allow to completely dry prior to priming.
3. Suitable for use under METALSHIELD Water Based and Solvent Based Topcoats

Application Procedure and Equipment

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point. Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.

PRIMING:

1. Shake the container for 15 - 20 seconds before opening.
2. Pour Contents into a plastic container or roller tray.
3. Apply 1 or more coats of METALSHIELD RUST PRIMER™ by brush roller or air spray to a suitably prepared surface.
4. For Best results apply METALSHIELD RUST PRIMER™ immediately after surface preparation is completed.
5. METALSHIELD RUST PRIMER™ will darken wherever it is applied over rust.
6. METALSHIELD RUST PRIMER™ must be overcoated within 7 days
7. Application and drying temperatures MUST be above 10C

DO NOT STORE EXCESS PAINT IN A METAL CONTAINER

DO NOT RETURN DECANTED MATERIAL TO THE ORIGINAL CONTAINER

DO NOT USE THE SAME BRUSH OR ROLLER TO APPLY DULUX METALSHIELD RUST PRIMER AS YOU USE FOR ANY WATER BASED TOPCOAT. Dulux METALSHIELD RUST PRIMER™ is a Cationic system and will cause normal water based paints to coagulate immediately on contact.

ROLLER: Use a good quality 5-10mm Nap Roller. Apply even coats of the material to the prepared surface. Additional coats may be required to attain the specified thickness. Thinning is not required.
BRUSH: Use a good quality Synthetic Fibre Brush. Apply even coats of the material to the prepared surface. Additional coats may be required to attain the specified thickness. Thinning is not required.

OVERCOATING: Adhere to drying times for METALSHIELD RUST PRIMER™ . METALSHIELD RUST PRIMER™ will turn black where it is in contact with and reacts with rust.

STORAGE: METALSHIELD RUST PRIMER™ is NOT classified as dangerous goods for transport or storage.
Store in well ventilated area under cover and away from sources of heat. Keep containers closed at all times.

HANDLING: As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands beforesmoking, eating, drinking or using the toilet.

USING: Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.

FLAMMABILITY: This product is non-flammable. On burning will emit toxic fumes.

WELDING: Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

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Health and Safety	
SDS Number **DLXGHSEN004195**	SDS Link **View SDS Link**
SDS Number **DLXNZLEN004195**	SDS Link **View SDS Link**

Personal Equipment
Wear protective gloves/protective clothing including eye/face protection and suitable respirator.

Using Safety Precautions
SAFETY: Keep out of reach of children. Read carefully and follow all instructions. Wash hands, face and all exposed skin thoroughly after handling. Wear protective gloves/protective clothing protective clothing, gloves, eye/face protection and suitable respirator.

FIRE: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

SPILLS & LEAKS: Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment. For liquids absorb with sand or soil. Collect and seal in properly labelled drums. Refer to Local Council or State/Territory Land Waste Management Authority for disposal.

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drink

DO NOT REUSE CONTAINER

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage	
Pack A **51WD0151**	
Size: **500ml, 1litre**	Weight: **0.8kg 1.56 kg**
Flash Point **N/A Water Based**	UN Number **N/A**
Dangerous Goods Class **N/A**	Package Group **N/A**

Disclaimer

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Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.duspecplus.com.au. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.