

DULUX TRADE ECOSURE UNDERCOAT

TECHNICAL DATA SHEET

Version 3 – 2020 AUGUST

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Ecosure Undercoat from **Dulux Trade** is specifically formulated to have a demonstrably lower environmental impact than standard **Dulux Trade** products*, whilst maintaining the highest possible standards of quality and performance. **Ecosure Undercoat** from **Dulux Trade** is a professional quality, durable and quick drying undercoat with good opacity and adhesion properties.

Lower environmental impact is measured by a reduction in VOC and 10% less embodied carbon

PRODUCT USES

- Suitable for use on interior wood and suitably prepared and primed metal surfaces.
- An undercoat for air-drying protective and decorative paints.
- For best results, use in conjunction with **Dulux Trade Ecosure** primers and finishing coats.

FEATURES AND BENEFITS

- Lower carbon and lower VOC content than conventional equivalent products.
- Quick drying water-based undercoat.
- Excellent Opacity, Flow & Adhesion properties.

PRODUCT INFORMATION

Appearance	Matt
Colour	White
Composition (nominal)	<u>Binder:</u> Acrylic Copolymer emulsion, <u>Solvent:</u> Water
Solids Content	By volume: Approx. 38% (nominal). Other colours will vary.
Spreading Rate	Approx. 12 - 16m ² per litre depending on surface porosity, profile and application method.
VOC levels	EU limit value for this product (cat.: A/d): 130g/l (2010). This product contains max. 75g/l VOC. VOC content: Low (0.30-7.99%).
Recommended DFT per coat	Min. 25µm. Max.30µm
Recommended WFT per coat	Min. 65µm. Max. 80µm
Flash Point	Non-flammable

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APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 8 - 35°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum. As with other water-based paints, do not apply in temperatures below 8°C (according to British Standard BS 6150).
Application methods	Brush, roller, conventional spray or airless spray. For best results use a good quality synthetic (nylon or polyester) brush, designed for use with water-based paints.
Thinner	Thinning is not usually necessary unless using as a primer on bare wood, in which case add up to 1 part of clean water to 10 parts of paint.
Drying Time	30 minutes at 23°C
Recoating Time	6 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 use on interior, appropriately prepared wood and prepared and primed, galvanised iron, mild steel and iron.
Precautions:	<p>Do not apply during cold (below 10°C) or wet weather.</p> <p>Not suitable for direct application to bare metal surfaces.</p> <p>Surfaces must be clean, dry, free from all defective or poorly adhering material, dirt, grease, wax etc.</p> <p>Treat knots with an appropriate knotting solution.</p> <p>Newly painted doors and windows should not be closed (tightly) until the paint is fully dry.</p> <p>Not suitable for direct application to powdery or friable surfaces whether previously painted or not.</p> <p>When applying water-based paints to surfaces previously decorated with a conventional solvent-based paint, very thorough surface preparation will be necessary.</p>
Coats Required	One coat but may require a second coat depending on the application.
Top Coating	May be over-coated with any Dulux Trade Ecosure decorative finish.

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SURFACE PREPARATION

Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1).

To get the best results, ensure surfaces to be painted are sound, clean and dry (new surfaces particularly must be thoroughly dry - no more than 12% moisture content) and free from all defective or poorly adhering material such as dirt, grease and wax. Thoroughly rub down previously painted surfaces, using 'wet flattening' methods where possible, and then wipe off with a damp, lint free cloth. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

NEW SURFACES - INTERIOR

Wooden Surfaces (new, bare wood)

- Timber treated with borer- or fire retardant may cause slow drying (consult supplier).
- Treat knots in timber with Knotting Agent.
- Spot prime nail heads with **Dulux Trade Corrocote 3 Metal Etch Primer**
- Prime with **Dulux Supergrip** or one thinned coat **Dulux Trade Ecosure Undercoat** as a primer directly to bare wood. Thin up to 10% by volume with water to aid penetration. Two coats may be required for very absorbent wood. Special attention must be given to painting the end grain to avoid moisture penetration - apply a second coat after 10 - 20 minutes.

Galvanised Iron (non-roof sheeting), Aluminium, all Non-ferrous Metals

- Remove all traces of temporary protective coating, dirt and grease from the surface with **Dulux Galvanised Iron Cleaner**. Ensure complete removal of **Dulux Galvanised Iron Cleaner** by rinsing with running water. A water-break free surface indicates thorough cleaning - running water should not form droplets. If a water-break free surface was not achieved, repeat the cleaning process. Prime immediately after cleaning.
- Prime with one to two coats **Dulux Trade Corrocote 3 Metal Etch Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.
- For best paint system performance follow primer with **Dulux Trade Ecosure Undercoat** before applying the selected finishing coat.

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 sanded with medium grit sandpaper, finishing 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.
- Apply one or two coats **Dulux Trade Corrocote 3 Metal Etch Primer**, depending on the severity of the conditions. Two coats are preferred for coastal conditions.

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SURFACE PREPARATION

PREVIOUSLY PAINTED SURFACES

- Loose, flaking paint must be completely removed. Hard glossy surface, i.e. enamel surfaces should be sanded to a matt finish to provide a key and improve inter-coat adhesion.
- Remove oil, grease dirt or any other contaminants with **Dulux Pre-Paint Sugar Soap** Powder/water solution and allow drying.
- Spot-prime exposed substrate areas with the appropriate primer.
- Build up spot-primed areas with **Dulux Trade Ecosure Undercoat** to the same level as the rest of the paintwork.
- Sand smooth after overnight drying.

FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint** filler and spot prime filled areas with appropriate Dulux Primer once the crack filler has dried properly. Failure to do this will result in uneven sheen levels between the repaired and normal areas.

HEALTH AND SAFETY INFORMATION

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.

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

Do not empty into drains or watercourses. Dispose of contents and container in accordance with all local, regional, national or international regulations. Contains 1,2-benzisothiazol 3(2H)-one. May produce an allergic reaction.

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.

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ADDITIONAL INFORMATION

Packaging	5Lt
Storage Conditions	Store and use under cool dry conditions away from direct sunlight, extreme heat and extreme cold.
Disclaimers	For best colour and sheen consistency, it is advisable to use containers of the same batch number, or to mix different batches together in a large container, or to finish in a corner before starting a new container.

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.Help@akzonobel.com. ICI Dulux (Pty) Ltd is part of AkzoNobel. ICI Dulux (Pty) Ltd Reg No.1946/020769/07