

## DULUX TRADE ECOSURE SILK

### TECHNICAL DATA SHEET

Version 2 – 2020 AUGUST

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

Good quality mid sheen finish that has a reduced environmental impact.

### PRODUCT USES

- All purpose wall and ceiling finish for application to interior and exterior cement plaster, fibre cement, concrete, gypsum plaster, brickwork and various types of composite boarding.
- Also suitable for application to metal and wooden surfaces, provided those surfaces are suitably primed before the application of this material.

### FEATURES AND BENEFITS

- Lower environmental impact than standard Dulux Trade products.
- Hard wearing and good exterior durability.
- Easy to apply and quick drying - two topcoats can be applied during the same day.
- Reduced environmental impact.
- Low dirt pick-up due to smooth mid-sheen finish.

### PRODUCT INFORMATION

<b>Appearance</b>	Mid-Sheen
<b>Colour</b>	White and the following tint bases: Pastel Base 7; Medium Base 8, and Deep Base 9 from the Dulux Colour System
<b>Binder Type</b>	Pure Acrylic
<b>Density at 23°C</b>	Approx. 1.26
<b>Solids Content</b>	By weight: Approx. 42% By volume: Approx. 30%
<b>Packaged Viscosity</b>	Viscosity at 23°C: Approx. 105 KU
<b>Spreading Rate</b>	Approx. 8 - 10m <sup>2</sup> per litre depending on surface porosity, profile and application method.
<b>VOC levels</b>	EU limit value for this product (cat.: A/a): 30g/l (2010). This product contains max. 0.3g/l
<b>Recommended DFT per coat</b>	Min. 25µm. Max.35µm
<b>Recommended WFT per coat</b>	Min. 90µm. Max. 120µm
<b>Flash Point</b>	Non-flammable

## DULUX TRADE ECOSURE SILK

### 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 or airless spray. Short-nap mohair or foam rollers achieve the best finish. Medium pile rollers may be used but the finish might be compromised
Thinner	Thinning not recommended. Ready for use after thorough stirring.
Drying Time	30 minutes at 23°C.
Recoating Time	4 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 cement plaster, gypsum plaster, concrete, fibre cement, various types of composite boarding, PVC, metal and wood provided that appropriate preparation and priming is done.
Precautions:	<p>Do not apply during cold (below 10°C) or wet weather.</p> <p>Do not apply directly to bare metal surfaces.</p> <p>Not suitable for direct application to powdery or friable surfaces whether previously painted or not.</p> <p>Essentially a wall coating. Areas subject to continual handling/soiling, e.g. cupboards and door frames, use <b>Dulux Trade Sterishield Diamond Eggshell</b></p> <p>Do not clean surface within 7 days of applying.</p>
Coats Required	Apply two to three un-thinned finishing coats to surfaces to achieve a continuous closed film and solid colour.

### SURFACE PREPARATION

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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). Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead. Surfaces must be thoroughly dry - no more than 12% moisture content.

## DULUX TRADE ECOSURE SILK

### SURFACE PREPARATION

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#### NEW SURFACES

##### **Cement Plaster (non-friable), Composite Boarding and Fibre Cement**

- Fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- Spot prime nail heads with **Dulux Trade Corrocote 3 Metal Etch Primer**
- For very absorbent surfaces more than one coat **Dulux Trade Ecosure Plaster Primer** could be required to achieve correct binding and sealing properties.

##### **Gypsum Plaster - Interior**

- Newly applied Gypsum Plaster can present variable surface finishes based on the application method, the quality and type of gypsum plaster used. This can present variability in the finish of the applied gypsum in terms of surface hardness, texture and porosity. This may require added attention during priming.
- Ensure the gypsum plaster is sound, non-friable, applied and cured as per the manufacturers specifications.
- After wiping down the gypsum plaster, no chalky powder should remain on the surface.
- If the gypsum is sound, apply a single coat **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Ecosure Plaster Primer** or **Dulux Plaster Primer**.
- As gypsum plaster is a very porous surface, adsorption of the plaster primer may occur. To test for this, wipe a black cloth over the dried **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Ecosure Plaster Primer** or **Dulux Plaster Primer** to test its integrity. If a white residue is found on the back of the cloth, apply 1 to 2 further coats of the respective **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Ecosure Plaster Primer** or **Dulux Plaster Primer** applied, to achieve the correct binding and sealing properties.

##### **Concrete**

- Remove any uncured cement, grease, and mould- release agents by high-pressure water blast, or wash with a strong solution of **Dulux Pre-Paint Sugar Soap**. Rinse off thoroughly with clean water and allow drying.
- Prime with one full coat **Dulux Trade Ecosure Plaster Primer**.

##### **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.

## DULUX TRADE ECOSURE SILK

### SURFACE PREPARATION

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#### NEW SURFACES

##### **Wooden Surfaces (new, bare wood) – (Continued)**

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

##### **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 Undercoat** before applying the selected finishing coat.

##### **PVC Gutters and Downpipes**

- Sand well to improve adhesion. Ensure surface is clean and dry.
- Prime with one full coat **Dulux Supergrip**.

#### PREVIOUSLY PAINTED SURFACES

##### **Good Condition, not powdery**

- Remove any loose and flaking paint back to a sound substrate and firm edges by scraping and sanding.
- It is always good painting practice to rub down existing surfaces with fine sandpaper to remove nibs and dirt particles. Rubbing down also provides a smooth surface for painting.

## DULUX TRADE ECOSURE SILK

### SURFACE PREPARATION

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#### PREVIOUSLY PAINTED SURFACES

##### **Good Condition, not powdery – (Continued)**

- Enamel surfaces need to be sanded to a matt finish to aid adhesion, follow with a coat of **Dulux Trade Ecosure Undercoat**
- Clean surfaces with **Dulux Pre-Paint Sugar Soap** /water solution to remove all surface contaminants and chalky residue, rinse with clean water to remove all traces of the **Dulux Pre-Paint Sugar Soap** treatment and allow drying out.
- Spot prime bare exposed substrates with appropriate primer as per new surfaces
- Build up spot primed areas with **Dulux Trade Ecosure Undercoat** to the same level as the rest of the paintwork.

##### **Old Paint in poor condition**

- Completely remove all loose and flaking paint.
- Remove oil, grease dirt or any other contaminants with **Dulux Pre-Paint Sugar Soap**/water solution and allow drying.
- Friable surfaces must be removed and repaired.
- Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. NOTE: While this product can be used for sealing chalked or slightly friable surfaces, it will not penetrate thick layers of powdery material. **Dulux Bonding Liquid** or **Dulux Trade Bonding Liquid**, which is un-pigmented, is preferred.
- Mould instructions. To kill lichen and algae growth, scrub with one of the following solutions: either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite. Ensure that the areas are completely saturated, and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying.
- Prime all exposed areas with appropriate primer as for new surfaces

#### FILLING

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- Fill all imperfections with the appropriate **Dulux Pre-Paint** filler and spot prime filled areas with **Dulux Trade Ecosure Plaster 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

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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. 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.

## DULUX TRADE ECOSURE SILK

### HEALTH AND SAFETY INFORMATION – (Continued)

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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.

### ADDITIONAL INFORMATION

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Packaging	5Lt, 20Lt White, Pastel Base 7, Medium Base 8, and Deep Base 9
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	Colour references are as accurate as modern printing will allow. Please refer to the in-store stripe cards for an accurate representation of the colour. Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation. For best colour and sheen consistency, it is advisable to use containers of the same batch number, to mix different batches together in a large container, or to finish in a corner before starting a new container.
Tinting Protocol	The tint base containers are only filled to levels which are specific for each tint base to allow the calculated volume of colourants to be added in order to achieve the volume indicated on the container after tinting. Tint bases and colourants are unfinished products which should not be used on their own. Only once the prescribed colourant is added to the specific tint base will the finished product comply with the technical features and related information as set out in this Technical Data Sheet.

## DULUX TRADE ECOSURE SILK

### 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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