DULUX TRADE WALLCLAD – WATERPROOFING WALL PAINT

TECHNICAL DATA SHEET
Version 6 – 2025 JULY
THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

High performance, premium quality fibre reinforced exterior mid-sheen finish for walls with superior dirt resistance and flexibility.

PRODUCT USES

- Suitable for cement plaster, concrete, fibre cement, composite boarding, previously painted surfaces, and wooden surfaces provided that the appropriate preparation and priming is first carried out.

FEATURES AND BENEFITS

- UV and Weather Resistant against extreme conditions
- Superior Elasticity – Bridge's hairline cracks up to 0.6 mm
- Superior Dirt Resistance
- Inherent mould resistant properties (Mouldex) prevent the growth of fungus.
- Moisture tolerance of up to 20%
- Resists water penetration and allows water vapour to escape
- Rapid Drying - 4 hour drying time for maximum productivity and efficiency.
- Waterproofer when used with waterproofing mesh membrane on parapet walls
- Green by Design Low VOC & Low Odour
- Lead Free and APEO Free

PRODUCT INFORMATION

Appearance	Smooth Fibre reinforced Mid-sheen
Colour	White and colours from the Dulux Colour System in Pastel Base 7, Medium Base 8, Deep Base 9 and Ultra Deep Base 6
Binder Type	Modified Acrylic
Density at 23°C	Approx. 1.253 kg/l
Solids Content	By weight: Approx. 51% By volume: Approx. 41%
Packaged Viscosity	Viscosity at 23°C: Approx. 85 KU(pp)
Spreading Rate	Approx. 5m² - 7m² per litre per coat, as a wall paint 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	Non-flammable
VOC Level	This product contains maximum 16 g/l for White and Tint Bases

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APPLICATION INFORMATION

Post Tinting Mixing before use	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 85 % OR 2ºC above dew point minimum.
Application methods	Brush and roller.
Thinner	Thinning not recommended. Ready for use after thorough stirring. Maximum thinning of 10% with water allow when used as a primer coat to new cement plaster with a moisture content below 12%
Drying Time	Touch dry 30 minutes at 23ºC.
Recoating Time	4 hours at 23ºC (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, concrete, fibre cement, composite boarding and wooden surfaces if appropriate preparation is carried out.
Precautions	Do not apply during cold (below 10°C) or wet weather. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. When used as a direct application to cement, overcoat with a minimum of 2 undiluted finishing coats. For optimal performance, a primer is recommended. Not a submersible waterproofing wall paint & not a substitution for proper waterproofing repairs and remediation. Do not clean surface within 7 days of applying. Clean only with **Dulux Pre-Paint Sugar Soap** and non-abrasive cloth.
Coats Required	Apply two to three finishing coats to new surfaces to achieve a continuous closed film and solid colour. (Dependant on substrate type, condition and choice of colour).

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).

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SURFACE PREPARATION

NEW SURFACES

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry – refer to surface preparation for actual % moisture content allowed, measured with a Protimeter Survey Master in %WME mode

Cement Plaster (non-friable)

- Ensure that plaster is dry, sound and non-friable. Fresh cement plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
  *Moisture content up to 12% - Prime with one full coat **Dulux Trade Alkali Resistant Primer** or one full coat **Dulux Trade Wallclad**, thinned up to 10% with water to aid absorption. When using **Dulux Trade Wallclad** as primer coat, overcoat primer coat with a minimum of 2 undiluted coats of **Dulux Trade Wallclad** to complete the application.

  *Moisture content up to 20% - Prime with one full coat **Dulux Trade Alkali Resistant Primer.**

  *Moisture content up to 50% - Apply 2 full coats **Dulux Pre-Paint Dampshield**. This system ensures maximum resistance to bubbling and blistering from trapped moisture.

  For very absorbent surfaces more than one coat of primer may be required to achieve correct binding and sealing properties.

Concrete

- Ensure that concrete is fully cured, sound and dry with a moisture content below 20%. Remove any un-cured 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 Alkali Resistant Primer.**

Fibre Cement and Composite Boards

- Spot-prime metal strips and nail heads with appropriate metal primer.
- Prime with one full coat **Dulux Trade Alkali Resistant Primer.**

Wooden Surfaces

- Sand smooth working in the direction of the grain. Ensure substrate is clean and dry with a moisture content below 12%.
- Prime with **Dulux Wood Primer.**
- Alternatively, timber surfaces can be primed with **Dulux Supergrip** to give a complete water-based system.
- For best paint system performance follow **Dulux Wood Primer** with **Dulux Universal Undercoat** or **Dulux Water Based Universal Undercoat** before applying the selected finishing coat.

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SURFACE PREPARATION

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.
- Clean surfaces with **Dulux Pre-Paint Sugar Soap** /water solution to remove all surface contaminates and chalky residue, rinse with clean water to remove all traces of the **Dulux Pre-Paint Sugar Soap** treatment and allow drying out. High pressure water jet cleaning can be used as an alternative to the **Dulux Pre-Paint Sugar Soap** treatment.
- Spot prime bare exposed fibre cement, composite boards and wooden surfaces with appropriate primer as for new surfaces. On cement plaster and concrete prime with **Dulux Trade Alkali Resistant Primer** up to 12% moisture, apply 2 coats **Dulux Pre-Paint Dampshield** for moisture levels from 13% to 50%.
- Enamel surfaces need to be sanded to a matt finish to aid adhesion before commencing with the **Dulux Pre-Paint Sugar Soap** /water solution treatment. Apply a coat of **Dulux Trade Universal Undercoat** or **Dulux Water Based Universal Undercoat.**

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.
- 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 bare exposed fibre cement, composite boards and wooden surfaces with appropriate primer as for new surfaces. On cement plaster and concrete prime with **Dulux Trade Alkali Resistant Primer** up to 12% moisture, apply 2 coats **Dulux Pre-Paint Dampshield** for moisture levels from 13% to 50%.
- Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. NOTE: While this product can be used for sealing exterior chalked or slightly friable surfaces, it will not penetrate thick layers of powdery material. **Dulux Trade Bonding Liquid** or **Dulux Water Based Bonding Liquid**, which is un-pigmented, is preferred.

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WATERPROOFER

Parapet Walls – For correctly prepared & primed surfaces and /or previously painted surface in sound condition as stipulated under Surface Preparation,

COAT 1: Apply a full coat of **Dulux Trade Wallclad** at 2m² per litre to the wall. While still wet embed the non-woven polyester membrane into the still wet **Dulux Trade Wallclad** ensuring full embedment for the non-woven polyester membrane, free from bubbles and creases.

WATERPROOFER - Continue

COAT 2: While still wet, apply a further full coat of **Dulux Trade Wallclad** at 2m² per litre to ensure complete saturation of the embedded non-woven polyester membrane and allow drying for 4 hours

COAT 3 & 4: Apply a further 2 coats of **Dulux Trade Wallclad** 2m² per litre per coat with 4 hours drying time between coats to complete the waterproofing

Precautions

- Product not designed as a submersible waterproofer or areas which is continuously exposed to ponding for long periods of time.
- The waterproofing mesh membrane overlap should be minimum 100mm

FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint Filler** and spot prime filled areas with **Dulux Trade Alkali Resistant 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 accidently 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.

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ADDITIONAL INFORMATION

Packaging	White & Tint Bases 5Lt, 20Lt
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.

ADDITIONAL INFORMATION

Disclaimers - Continue	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 Dulux Mix2Win Next Point-of-Sale listed colour formulation colourant is added to the specified tint base, will the finished product comply with the technical features and related information as set out in this Technical Data Sheet.
3 Step Tinting Instructions	Expert Technique for Tinting **Dulux Trade Wallclad** Fibre reinforced paint needs expert technique for professional tinting services. **1.** Open the lid of the required base paint and place paint pail centrally on the tinting machine tinting platform and dispense the Mix2Win Next colour formulation required colourants. **2.** Lift the paint pail off the tinting machine tinting platform and place on level surface. To aid absorption of dispensed colourant into the base paint, fold a layer of base paint on top of the dispersed colourant, using a clean spatula until colourant is completely covered with base paint. **3.** Close the lid tightly and place the paint pail centrally on the automatic mixer shaking platform. Double Mixing time required on all pack sizes. Check if tinted paint complies to the Dulux Tinting Protocol before completing the tinting order fulfilment.

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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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