

DULUX WALLGUARD

TECHNICAL DATA SHEET

Version 13 – 2022 APRIL

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

A durable exterior suede (Mid-Sheen) finish coating with water repelling and dirt shedding properties keep your walls looking cleaner for longer.

PRODUCT USES

- For application to prepared and primed cement plaster, fibre cement, concrete, brickwork, composite boards, metal, PVC, wood and previously painted substrates.
- Also suitable for interior bathroom and kitchen ceilings when added mould resistance is required

FEATURES AND BENEFITS

- Durable dirt-shedding suede finish.
- Exceptional water repellence.
- Inherent mould resistance – Mouldex® technology.
- Excellent coverage.
- The hydrophobic mechanism makes it ideal for all types of exterior walls where moisture levels do not exceed 25%

PRODUCT INFORMATION

Appearance	Suede (Mid-Sheen)
Colour	White plus a range of ready-mixed and colours from the Dulux Colour System in Pastel Base 7, Medium Base 8, Deep Base 9 and Ultra Deep Base 6
Binder Type	Acrylic Polymer
Density at 23°C	Approx. 1.37 kg/L (typical for white)
Solids Content	By weight: Approx. 51% By volume: Approx. 35%
Packaged Viscosity	Viscosity at 23°C: Approx. 100-110KU
Spreading Rate	8 to 10m ² per litre depending on surface porosity, profile and application method
Recommended DFT per coat	Min. 30µm. Max. 40µm.
Recommended WFT per coat	Min. 100µm. Max. 125µm.
Flash Point	Non-flammable.

DULUX WALLGUARD

APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle
Application conditions	Surface Temperature between 10 - 35°C Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.
Application methods	Brush, roller and airless spray
Thinner	Thinning not recommended except where Wallguard is used as a primer coat for new cement plaster, dilute 10% with water to aid penetration.
Drying Time	Touch dry 60 minutes at 23°C
Recoating Time	4 hours at 23°C (Recoating 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	Suitably prepared and primed cement plaster, fibre cement, concrete, brickwork, composite boards, metal, PVC and wood.
Precautions:	Do not apply during inclement of extreme weather conditions (wet, not below 10°C and above 35°C) Do not apply directly to bare metal surfaces. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. Do not clean surface within 7 days of application.
Coats Required	Two to three finishing coats may be required 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).

Ensure that surfaces are sound, and free from dust, dirt, grease, oil, rust and debris.

Remove powdery residue with a stiff brush. Surfaces must be thoroughly dry - no more than 12% moisture content.

DULUX WALLGUARD

SURFACE PREPARATION

NEW SURFACES

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.
*For cement plaster with moisture content below 12% - prime with one coat **Dulux Plaster Primer** or **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Plaster Primer - Moisture Tolerant** or one coat **Dulux Wallguard**, thinned up to 10% with water to aid absorption.
*For cement plaster with moisture content between 13 and 25% - apply **Dulux Trade Plaster Primer - Moisture Tolerant**. 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. Dulux Wallguard can only be applied over the **Dulux Trade Plaster Primer - Moisture Tolerant** once the moisture level reached 12% or below.

Fibre Cement and Composite Boards

- Spot-prime metal strips and nail heads with appropriate metal primer.
- Prime with one full coat **Dulux Plaster Primer** or **Dulux Trade Plaster Primer - Moisture Tolerant**.

Concrete

- Ensure that concrete is fully cured and sound. Re-move 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 Plaster Primer** or **Dulux Trade Plaster Primer - Moisture Tolerant**

Galvanised Iron & Aluminium

- Remove all loose rust and white scale by means of wire brushing, sanding, chipping, or mechanical scouring - down to bright metal. To remove dirt, salts and zinc corrosion (white rust) clean thoroughly with **Dulux Galvanised Iron Cleaner** achieving a water-break free surface.
- Areas showing red rust must be removed back to bright galvanised iron
- Prime immediately after preparation with two coats **Dulux Rustshield** or with one to two coats **Dulux Galvanised Iron Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.

DULUX WALLGUARD

SURFACE PREPARATION

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.
- Prime immediately after preparation with two coats **Dulux Rustshield** or with one coat **Dulux Steel Primer**.
- For best paint system performance follow primer with **Dulux Universal Undercoat** before applying the selected finishing coat.

PVC Gutters/Downpipes

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

Wooden Surfaces

- Sand smooth working in the direction of the grain. Ensure substrate is clean and dry.
- 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** before applying the selected finishing coat.

PREVIOUSLY PAINTED SURFACES

Good Condition - non powdery, no cracks, no peeling or flaking

- Clean surfaces with **Dulux Pre-Paint Sugar Soap**. Wash down with water. Alternatively, high pressure water cleaning.
- For surfaced previously painted with water based paints, apply directly.
- For surfaced previously painted with enamel paints, sand to a matt finish to aid adhesion and follow with a coat of **Dulux Universal Undercoat**. Apply directly.

Poor Condition - damaged, friable surfaces

- Strip loose and flaking paint completely using high-pressure water (180-200 Bar) or other appropriate means.
- Friable surfaces must be removed and repaired.
- Mould instructions. To clean lichen and algae growth, scrub with either 4:1 water/chlorine, or 4:1 water/ sodium hypochlorite solutions. 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.

DULUX WALLGUARD

SURFACE PREPARATION

PREVIOUSLY PAINTED SURFACES

Poor Condition - damaged, friable surfaces (Continued)

- Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. Allow drying. Priming with **Dulux Bonding Liquid**, which is un-pigmented, is preferred as it has the ability to penetrate further into the surface but need to be over coated within 48 hours.
- Prime all exposed areas with appropriate primer as recommended under new surfaces. For very absorbent surfaces more than one coat primer may be required to achieve correct binding and sealing properties.

FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint filler** and spot prime filled areas with **Dulux Plaster Primer** or **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 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. 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

Packaging	Standard Colours: 5Lt and 20Lt Tint Bases – Pastel Base 7, Medium Base 8, Deep Base 9: 5Lt and 20Lt. Ultra Deep Base 6: 20Lt Only
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. Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation.

DULUX WALLGUARD

ADDITIONAL INFORMATION

Disclaimers (Continued)	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.
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.

GUARANTEE

Dulux offers a 15-year product guarantee on **Dulux Wallguard** (standard colours and tint bases when tinted with Dulux colourants). **Dulux Wallguard** tinted with non-Dulux colourants is not guaranteed, Dulux has no control over the tinting process or the quality of the colourants used. To register your guarantee, simply call the Dulux Technical Helpline within 30 days of purchase. Simply supply your contact details, the site details, purchase details, batch number and related products used. You will receive a Guarantee Reference Number that you should record and keep in a safe place, together with your purchase slip for future reference. For terms and conditions of the guarantee, please visit www.duluxguarantee.co.za or contact Dulux Technical Helpline on 0860 330 111.

TDS STD 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.dulux.co.za or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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