DULUX TRADE WEATHERSHIELD

TECHNICAL DATA SHEET

Version 6 – 2025 JULY
THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Premium quality exterior mid-sheen finish with outstanding dirt resistance, flexibility and increased spread rate.

PRODUCT USES

- Suitable for cement plaster, gypsum plaster, concrete, fibre cement, composite boarding, previously painted surfaces, mild steel & iron, galvanised iron and wooden surfaces provided that the appropriate preparation and priming is carried out.
- Also suitable for interior bathroom and kitchen ceilings where added mould resistance is required.

FEATURES AND BENEFITS

- The special emulsion system gives outstanding water and dirt resistance.
- Excellent exterior durability flexibility and adhesion to sound cement plaster.
- Exceptional Spreading Rate of 12 - 14 square metres per litre.
- Inherent mould resistant properties (Mouldex) prevents the growth of fungus.
- Rapid Drying - fast recoating time and labour saving.

PRODUCT INFORMATION

Appearance	Mid-sheen
Colour	White and colours from the Dulux Colour System in Pastel Base 7, Medium Base 8 and Deep Base 9
Binder Type	Modified Acrylic
Density at 23°C	Approx. 1.29
Solids Content	By weight: Approx. 48% By volume: Approx. 36%
Packaged Viscosity	Viscosity at 23°C: Approx. 110 KU
Spreading Rate	Approx. 12m² -14m² per litre depending on surface porosity, profile and application method.
Recommended DFT per coat	Min. 25µm. Max. 35µm.
Recommended WFT per coat	Min. 70µm. Max. 100µm
Flash Point	Non-flammable

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APPLICATION INFORMATION

Mixing	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, roller or airless spray.
Thinner	Thinning not recommended. Ready for use after thorough stirring.
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, gypsum plaster, concrete, fibre cement, composite boarding, mild steel & iron, galvanised iron, and wooden surfaces if appropriate preparation is carried out.
Precautions	Do not apply during cold (below 10°C) or wet weather. Do not apply directly to bare metal surfaces. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. Essentially a wall coating. For areas subject to continual handling/soiling, e.g. door frames, use **Dulux Trade Eggshell Enamel** or **Dulux Trade Pearlglo Non-Drip Enamel** or **Dulux Pearlglo Water Based**. The application of **Dulux Trade Weathershield** to interior is limited to bathroom and kitchen. When used as a direct application to cement, concrete or fibre cement, overcoat with a minimum of 2 finishing coats 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).

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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).

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry - no more than 12% moisture content.

NEW SURFACES

Cement Plaster (non-friable), Concrete and Fibre Cement

- Fresh cement plaster should be allowed 1 week drying for every 5mm thickness; and longer in cold or damp weather.
- Ensure that concrete is fully cured and sound. 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.
- Spot-prime metal strips and nail heads with the appropriate metal primer.
- Premium - Prime with one coat **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Plaster Primer** or **Dulux Plaster Primer** or Self Priming **Dulux Trade Weathershield,** thinned up to 10% with water to aid absorption.
- For very absorbent surfaces more than one coat of primer may 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 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 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 Plaster Primer** applied, to achieve the correct binding and sealing properties.

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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 to two coats **Dulux Trade Steel Primer** or **Dulux Steel Primer** or *for abrasive blast clean to Sa2½ prime with one or 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 Universal Undercoat** or **Dulux Universal Undercoat** or **Dulux Water Based Universal 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 with two coats **Dulux Rustshield** or with one to two coats **Dulux Trade Corrocote 1 Metal Etch Primer or Dulux Trade Corrocote 3 Metal Etch Primer** or **Dulux Galvanised Iron Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.

PVC Gutters and Downpipes

- Sand well to improve adhesion. Ensure surface is clean and dry.
- Prime with one full coat **Dulux Trade Corrocote 1 Metal Etch Primer** or **Dulux Supergrip.**

Wooden Surfaces (doors only)

- 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 Rustshield** or **Dulux Trade Steel Primer**.
- Special attention must be given to painting the end grain to avoid moisture penetration - apply a second coat after 10 - 20 minutes.

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SURFACE PREPARATION

NEW SURFACES

Wooden Surfaces (doors only) – (Continued)

- Prime with one coat **Dulux Wood Primer**. Two coats may be required for very absorbent wood. Alternatively, timber surfaces can be primed with **Dulux Supergrip** to support a water-based paint system.
- For best paint system performance follow **Dulux Wood Primer** with **Dulux Trade Universal Undercoat** or **Dulux Universal Undercoat** or **Dulux Water Based Universal Undercoat** before applying the selected finishing coat.

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. For exterior application high pressure water jet cleaning can be used as an alternative to the **Dulux Pre-Paint Sugar Soap** treatment.
- Spot prime bare exposed substrates with appropriate primer.
- 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 Universal Undercoat** or **Dulux Water Based Universal Undercoat.**

PREVIOUSLY PAINTED SURFACES

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 all exposed areas with appropriate primer as for new surfaces.
- 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**

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Bonding Liquid or **Dulux Bonding Liquid** or **Dulux Water Based Bonding Liquid**, which is un-pigmented, is preferred.

FILLING

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

Warning: May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.

Dulux Trade paints contain no added lead. Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice 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.

Safety and Technical datasheets available on request or visit www.duluxtrade.co.za. Call a POISON CENTRE or doctor/physician if you feel unwell. Dispose of contents and container in accordance with all local, regional, national or international regulations.

To avoid the risk of spillage, transport containers in a secure upright position. Always store under ambient conditions.

ADDITIONAL INFORMATION

Packaging	White 5Lt, 20Lt 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. 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.

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ADDITIONAL INFORMATION – (Continued)

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.

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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