

DULUX TRADE PEARLGLO NON-DRIP ENAMEL

TECHNICAL DATA SHEET

Version 5 – 2024 MARCH

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Tough satin finish structured trim paint with high brush loading and a non-sag application that is ideal for hard wearing interior walls and trim surfaces.

PRODUCT USES

- Ideal for interior wall and ceiling surfaces in kitchens and bathrooms, furniture, door & door frames, window frames and skirting boards.

FEATURES AND BENEFITS

- Convenient trim enamel - no stirring, no mess, no runs with non-stick properties.
- Can be used on most interior surfaces and dries to a smooth chip and stain resistant finish.
- Quick to apply - saves time and money when compared with conventional “sticky to apply” enamels.
- The product is highly recommended where a washable, tough steam, grease and mar resistant finish is required.
- No undercoat needed.

PRODUCT INFORMATION

Appearance	Satin finish
Colour	White and the following tint bases: Pastel Base 7; Medium Base 8, Deep Base 9 and Ultra Deep Base 6 from the Dulux Colour System.
Binder Type	Thixotropic Polyurethane Modified Alkyd
Density at 23°C	Approx. 1.19Kg/L
Solids Content	By weight: Approx. 62% By volume: Approx. 43%
Packaged Viscosity	Viscosity at 23°C: Approx. 80KU
Spreading Rate	Approx. 8m ² -10m ² per litre depending on surface porosity, profile and application method.
Recommended DFT per coat	Min. 40µm. Max. 50µm.
Recommended WFT per coat	Min. 100µm. Max. 125µm
Flash Point	37°

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APPLICATION INFORMATION

Mixing	Dulux Trade Pearlglo is supplied ready for use as a soft gel. <u>Do Not Stir Contents</u>. If accidentally stirred or the tin shaken for colour mixing purposes, replace the lid and allow the paint to stand overnight so that it can regain its original gel structure.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum.
Application methods	Brush: Preferred. To apply Dulux Trade Pearlglo, simply dip the brush once or twice into the gel paint, until the bristles are loaded and then commence painting in the normal manner. Roller: Short-nap mohair roller N.B. After 12 months storage, a thin brown layer may form on the surface of the paint. This can either be ignored by simply dipping the brush through the brown layer. Alternatively shake the tin for a minute and allow the paint to stand overnight to regain structure.
Thinner	Thinning not recommended.
Drying Time	Surface dry 4 hours at 23°C.
Recoating Time	18 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 Dulux Pre-Paint Brush Cleaner & Degreaser or Mineral Turpentine.
Substrates	Suitable for cement plaster, gypsum plaster, concrete, fibre cement, composite boarding, laminated boards, PVC, galvanised iron, mild steel & iron and wooden surfaces provided that appropriate preparation and priming is carried out.
Precautions:	Do not apply during cold (below 10°C) or wet weather. Recommended for interior surfaces only. Will chalk if applied to surfaces exposed to direct sunlight. Do not stir contents - If stirred, wait 8 hours before use. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. 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.

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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, dirt, oil, grease, rust and debris.

Surfaces must be thoroughly dry - no more than 12% moisture content.

NEW SURFACES

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

- It is recommended that fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- Spot-prime metal strips and nail heads with appropriate metal primer.
- For very absorbent surfaces more than one coat **Dulux Trade Alkali Resistant Primer** or **Dulux 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 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.

Concrete

- Remove any uncured cement, grease, and mould-release agents by wash with a strong solution of **Dulux Pre-Paint Sugar Soap**. Rinse off thoroughly with clean water.
- Prime with **Dulux Trade Alkali Resistant Primer** or **Dulux Plaster Primer**

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SURFACE PREPARATION

NEW SURFACES

Laminated Boards

- Dust and degrease. Areas that have developed a sheen due to repeated handling will have to be sanded to a matt finish to improve adhesion. **N.B:** Only suitable for areas that receive limited wear and tear e.g. kitchen, bathroom and bedroom cupboard doors and frame work.
- Prime with **Dulux Supergrip**

Wooden Surfaces

- Timber treated with borer- or fire retardant may cause slow drying (consult supplier).
- Sand smooth with a fine grid paper working in the direction of the wood grain, dust off.
- Repair damaged wood with a suitable wood filler.
- Treat knots in timber with Knotting Agent.
- Spot prime nail heads with **Dulux Rustshield** or **Dulux Trade Steel Primer** or **Dulux Steel Primer**.
- Prime with one coat **Dulux Wood Primer**. 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.

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**, depending on the severity of the conditions. Two coats recommended for coastal conditions.

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 Galvanised Iron Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions.

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SURFACE PREPARATION

NEW SURFACES

PVC (rigid)

- Lightly sand surface to improve adhesion.
- Clean and degrease with **Dulux Pre-Paint Brush Cleaner/Degreaser**.
- Rinse thoroughly with water and allow drying.
- Prime with one coat **Dulux Trade Corrocote 1 Metal Etch Primer** or **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.
- Enamel surfaces need to be sanded to a matt finish to aid adhesion. 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.
- 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. 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 as per new 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.

Apply a single coat **Dulux Trade Bonding Liquid** or **Dulux Bonding Liquid**. For very absorbent surfaces two coats may be required. The first coat must be thinned 20% with Mineral Turpentine for penetration.

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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

Danger. Flammable liquid and vapor. May cause cancer. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

Solvent based paints are flammable. 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. Store under ambient conditions.

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	1lt, 5Lt White and Tint Bases – Pastel Base 7, Medium Base 8, Deep Base 9 and U/Deep Base 6
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

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.
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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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