

DULUX PEARLGLO SOLVENT-BASED NON-DRIP ENAMEL

TECHNICAL DATA SHEET

Version 3 – 2021 JUNE

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

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

PRODUCT USES

- Recommended for new interior primed masonry surfaces.
- **Dulux Pearl glo Solvent-Based** can be applied directly to Wood, Metal, Rigid PVC and laminated board's surfaces provided that appropriate preparation is carried out.
- Ideal for interior wall and ceiling surfaces in kitchens and bathrooms, furniture, door & door frames and skirting boards.

FEATURES AND BENEFITS

- Convenient trim enamel - no stirring, no mess, no runs and Non-Drip with Excellent Polyurethane Protection and excellent resistance to yellowing.
- Can be used on most interior surfaces and dries to a smooth chip and stain resistant finish.
- Non-Stick Technology - Quick to apply - saves time and money when compared with conventional enamels.
- The product is highly recommended where a washable, tough, heat, steam, greases and mar resistant finish is required in kitchen and bathroom environments.
- No undercoat needed for masonry surfaces after priming.
- Multi-Surface No Primer application to correctly prepared Wood, Metal, Rigid PVC and laminated boards.

PRODUCT INFORMATION

Appearance	Mid-Sheen
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.

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PRODUCT INFORMATION

Recommended WFT per coat Min. 100µm. Max. 125µm
Flash Point 37°

APPLICATION INFORMATION

Mixing	Dulux Pearl glo Solvent Based 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	<p>Brush: Preferred. To apply Dulux Pearl glo Solvent Based, simply dip the brush once or twice into the gel paint, until the bristles are loaded and then commence painting in the normal manner.</p> <p>Roller: Short-nap mohair roller.</p> <p>Airless Spray: Ready for use.</p> <p>Conventional Air Spray: Thin up to 10% by volume with Mineral Turpentine. *Thinning will require multiple coats to achieve the required 80 microns minimum dry film thickness for all coats applied. The non-drip consistence will also be compromised.</p> <p>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.</p>
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	Prepared and primed cement plaster, gypsum plaster, concrete, fibre cement, composite boarding (masonry) Direct application to prepared Wood, Metal, Rigid PVC and laminated boards.

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APPLICATION INFORMATION

Precautions:	<p>Do not apply during cold (below 10°C) or wet weather.</p> <p>Recommended for interior surfaces only. Will chalk if applied to surfaces exposed to direct sunlight.</p> <p>Do not stir contents - If stirred, wait 8 hours before use.</p> <p>Not suitable for direct application to powdery or friable surfaces whether previously painted or not.</p> <p>Do not clean surface within 7 days of applying.</p> <p>Dependant on the substrate condition and for superior performance and enhanced finish a substrate specific primer is recommended.</p>
Coats Required	Apply two to three finishing coats to new surfaces to achieve a continuous closed film and solid 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, oil, grease, rust and debris. Remove powdery residue with a stiff brush. Surfaces must be thoroughly dry - no more than 12% moisture content.

NEW SURFACES

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

- Fresh cement 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 Plaster Primer** or **Dulux Trade Alkali Resistant 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 and 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 Plaster Primer** or **Dulux Trade Alkali Resistant Primer**.

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SURFACE PREPARATION

NEW SURFACES

Gypsum Plaster – Interior (Continued)

- 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 Plaster Primer** or **Dulux Trade Alkali Resistant Primer** to test its integrity. If a white residue is found on the back of the cloth, apply 1 to 2 further coats of **Dulux Plaster Primer** or **Dulux Trade Alkali Resistant Primer** 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 Plaster Primer** or **Dulux Trade Alkali Resistant Primer**.

Laminated Board (non-working surfaces)

- 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.

Rigid PVC

- Lightly sand surface to improve adhesion.
- Clean and degrease with **Dulux Pre-Paint Brush Cleaner/Degreaser**.
- Rinse thoroughly with water and allow drying.

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.

Galvanised Iron, Aluminium and Stainless Steel ((unpainted, weathered)

- 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
- Apply **Dulux PearlGlo Solvent-Based** immediately after cleaning.

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SURFACE PREPARATION

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.
- Special attention must be given to painting the end grain to avoid moisture penetration - apply a second coat after 10 - 20 minutes.

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 contaminants and chalky residue, rinse with clean water to remove all traces of the **Dulux Pre-Paint Sugar Soap**/water solution treatment and allow drying out.
- 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.
- Prime all exposed areas with appropriate primer as for new surfaces where applicable.

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.
- Chalked surfaces must be thoroughly brushed or washed to remove the bulk of the chalking. Apply a single coat **Dulux Bonding Liquid**. For very absorbent surfaces such as lime wash, two coats may be required. The first coat must be thinned 20% with Mineral Turpentine for penetration.
- Prime all exposed areas with appropriate primer as for new surfaces where applicable.

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.

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HEALTH AND SAFETY INFORMATION

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. 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	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	<p>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.</p> <p>Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation.</p> <p>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.</p>
Tinting Protocol	<p>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.</p> <p>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.</p>

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GUARANTEE

Dulux offers a 12-year product guarantee on **Dulux Pearl glo Solvent-Based** (white and tint bases when tinted with Dulux colourants). **Dulux Pearl glo Solvent-Based** 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 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.dulux.co.za or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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