# DULUX TRADE 70 MIDSHEEN

TECHNICAL DATA SHEET
Version 2 – 2020 AUGUST
THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

## PRODUCT DESCRIPTION

Mid-sheen finish paint for interior and exterior use.

## PRODUCT USES

- All-purpose wall and ceiling finish for application to interior and exterior cement plaster, fibre cement, concrete, gypsum plaster, brickwork and various types of composite boarding.
- Also suitable for application to mild steel & iron and wooden surfaces, provided those surfaces are suitably primed before the application of this material.
- An economical, washable coating with low dirt pick-up.

## FEATURES AND BENEFITS

- Good exterior durability
- Good interior washability. Complies with Class 2 of the SABS Standard for washability – SANS 6258:200x Edition 2.
- Mid sheen finish for interior and exterior use.
- Quick drying - two topcoats can be applied during the same day.
- Low odour - can be used in odour sensitive areas.
- Hard wearing and easy to apply.

## PRODUCT INFORMATION

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| **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** | Styrene Acrylic |
| **Density at 23°C** | Approx. 1.25 |
| **Solids Content** | By weight: Approx. 42%<br>By volume: Approx. 31% |
| **Packaged Viscosity** | Viscosity at 23°C: Approx. 105 KU |
| **Spreading Rate** | Approx. 8m² to 10m² 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. 120µm |
| **Flash Point** | Non-flammable |

# DULUX TRADE 70 MIDSHEEN

## APPLICATION INFORMATION

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| 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. Short-nap mohair or foam rollers achieve the best finish. Medium pile rollers may be used but the finish might be compromised. |
| 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, and various types of composite boarding, as well as mild steel and iron, PVC and wood provided appropriate preparation and priming is carried out. |
| Precautions | Do not apply during cold (below 10°C) or wet weather.<br>Do not apply directly to bare metal surfaces.<br>Not suitable for direct application to powdery or friable surfaces whether previously painted or not.<br>Essentially a wall coating. For areas subject to continual handling/soiling, e.g. cupboards and door frames, use **Dulux Trade Eggshell Enamel** or **Dulux Trade Pearlglo Non-Drip Enamel** or **Dulux Pearlglo Water Based**.<br>Not suitable for use in kitchen and bathrooms.<br>Do not clean surface within 7 days of applying |
| 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, oil, grease, dirt, and debris. Surfaces must be thoroughly dry - no more than 12% moisture content.

# DULUX TRADE 70 MIDSHEEN

## SURFACE PREPARATION

### NEW SURFACES

**Cement Plaster (non-friable) and Fibre Cement**

- Fresh cement plaster should be allowed 1 week drying for every 5mm thickness; and longer in cold or damp weather.
- Spot-prime metal strips and nail heads with the appropriate metal primer.
- For very absorbent surfaces more than one coat **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Plaster Primer** or **Dulux Plaster Primer** could be required to achieve correct binding and sealing properties.

**Composite Boarding**

- Spot-prime metal strips and nail heads with the 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 Trade Plaster 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 Trade Plaster 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 respective **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Plaster Primer** or **Dulux Plaster Primer** applied, to achieve the correct binding and sealing properties.

**Concrete**

- 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.
- For best paint system performance prime with one full coat **Dulux Trade Alkali Resistant Primer** or **Dulux Trade Plaster Primer** or **Dulux Plaster Primer.**

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## SURFACE PREPARATION

### NEW SURFACES

**Mild Steel and Iron**

- Inspect shop-primer thoroughly for damage by installation. All rust, scale and dirt must be removed by scraping or with steel wire brushes, and then thoroughly sand with medium grit sandpaper and finish with fine grit sandpaper - down to a bright metal finish. 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.
- Prime 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.
- For best paint system performance follow primer with **Dulux Trade Universal Undercoat** or **Dulux Universal Undercoat** before applying the selected finishing coat.

**PVC Gutters and Downpipes**

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

**Wooden Surfaces**

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

# DULUX TRADE 70 MIDSHEEN

## SURFACE PREPARATION

### PREVIOUSLY PAINTED SURFACES

**Good Condition, not powdery (Continued)**

- 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.**

**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 Bonding Liquid** or **Dulux 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** 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.

# DULUX TRADE 70 MIDSHEEN

## ADDITIONAL INFORMATION

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|---|---|
| Packaging | White 5Lt, 20Lt<br>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.<br>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 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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