

DULUX PRE-PAINT DAMPSHIELD WATER BASED

TECHNICAL DATA SHEET

Version 3 – 2018 SEPTEMBER

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Water-based damp barrier for cement plaster and concrete vertical wall surfaces containing up to 50% moisture.

PRODUCT USES

- For interior and exterior damp cement plaster and concrete wall surfaces.

FEATURES AND BENEFITS

- Stops rising and penetrating damp.
- Provides a sound foundation for long lasting paintwork.
- Protects against paint peeling, efflorescence and mould caused by damp.
- **Dulux Pre-Paint Dampshield** reacts with moisture in the substrate forming an impenetrable barrier through which the movement of water and dissolved salts is not possible. By sealing the surface the soluble salts is preserved for substrate integrity and protecting subsequent paint films against the effects of rising and penetrating damp up to 50% moisture.
- Water based, Low VOC, low odour and easy clean-up.
- Ready for use with excellent adhesion to sound cement plaster and concrete wall surfaces.
- Quick drying – can be over coated with most conventional paints on the same day.

PRODUCT INFORMATION

Appearance	Matt
Colour	White
Binder Type	Modified Acrylic
Density at 23°C	Approx. 1.20
Solids Content	By weight: Approx. 56% By volume: Approx. 44%
VOC Levels	<16g/l
Packaged Viscosity	Viscosity at 23°C: Approx. 100 KU
Flash Point	Non-flammable

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PRODUCT INFORMATION

Application methods	Brush or Roller
Spreading Rate	5m² p/l per coat <i>Approx. per litre depending on surface porosity, profile and application method</i>
Recommended DFT per coat	Min. 50 µm. Max. 80 µm
Recommended WFT per coat	Min. 125 µm. Max. 180 µm
Coat Requirements	2 Coats. Depending on application will more coats be required to achieve a minimum total DFT of 100 µm.

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 2°C above dew point minimum.
Thinner	It is important to thin the 1 st coat 10% by volume with water.
Drying Time	Touch dry 1 hour.
Recoating Time	4 hours at 23°C between coats or over coating with Dulux water-based paints, 16 hours at 23°C for over coating with Dulux solvent-based enamel paint. Maximum 7 days at 23°C. (Drying times will be extended during cold, wet or humid conditions.)
Cleaning of equipment	After use, remove excess product from tools before cleaning in warm tap water. For best results clean tools with a Dulux Pre-Paint Sugar Soap /water solution.
Substrates	Suitable for sound cement plaster, concrete, unglazed brickwork and fibre cement and painted surfaces provided that appropriate preparation is carried out.
Precautions:	Do not apply direct to wet surfaces. Dulux Pre-Paint Dampshield will not rectify waterproofing problems. In cases where there is a constant efflux of water through the walls, a waterproofing specialist needs to be consulted. Not designed to withstand natural weathering. It should be over coated in 1 week Store at ambient temperature – avoid freezing or extremes of temperature. Do not paint during wet or cold (below 10°C) weather. Do not apply directly to chalky or friable surfaces. NOT suitable for gypsum plaster and boards

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APPLICATION INFORMATION

Coats Required	Two-coat brush or roller application to achieve a minimum continuous total dry film thickness of 100µm microns, working well into the surface. It is important to thin the first coat with 10% water. Apply the coating from corner to corner in a stepwise manner in small blocks. It is recommended that the coating be applied in 1m ² areas at a time.
Top Coating	Can be over coated with most Dulux decorative finishes.

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).

Allow new plaster to dry for 48 hours before applying this product. The moisture content in plaster and concrete must not exceed 50%. Ensure that surfaces are sound and free from dust, oil, grease, dirt, mould and debris. If necessary wash with **Dulux Pre-Paint Sugar Soap**.

Dulux Pre-Paint Dampshield is not a cure for recurring damp, which should always be treated at source before applying **Dulux Pre-Paint Dampshield**. Before painting, ensure that the surface is damp and NOT WET upon application. A simple test to check the surface is to rub the palm of your hand across the surface, if the palm of your hand becomes wet the surface cannot be painted.

New Surfaces

- Apply directly to clean cement plaster and concrete surface.

New Surfaces Affected by Dampness

- Clean or scrub the affected area thoroughly with scraper blade or wire brush.
- Remove any oils, grease or stains with **Dulux Pre-Paint Brush Cleaner/Degreaser** or **Dulux Pre-Paint Sugar Soap**.
- 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

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SURFACE PREPARATION

Previously Painted Surfaces

- Strip loose and flaking paint completely back to plaster/concrete or tightly adhering paint layer to achieve a sound surface using high pressure washing or most suitable mechanical or chemical means.
- Friable plaster must be removed and repaired.
- Sand enamel surfaces to a matt finish.
- 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.

FILLING

Fill all imperfections with **Dulux Pre-Paint Quick Setting Cement** and spot prime filled areas with 2 coats **Dulux Pre-Paint Dampshield** 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	20lt, 5Lt, 1Lt
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. For best colour and sheen consistency, it is advisable to use containers of the same batch number, or to mix different batch numbers together in a large container, or finish in a corner before starting with a new container.

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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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