DULUX WEATHERGUARD WATER BASED PLASTER PRIMER

TECHNICAL DATA SHEET
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THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

A water-based plaster primer for new dry interior and exterior porous surfaces.

PRODUCT USES

- Primes masonry surfaces such as cement plaster, concrete, fibre cement, gypsum plaster, porous bricks and all composite boarding.

FEATURES AND BENEFITS

- Good alkali resistance with excellent sealing properties.
- Seals porous plaster and provides a sound surface for top coating.
- Provides good substrate adhesion, can be over-coated with most solvent-based and water-based Undercoats and Decorative Topcoats.
- Green by Design Low VOC & Low Odour.
- 100% APEO Free.

PRODUCT INFORMATION

Appearance	Matt
Colour	White
Binder Type	Acrylic copolymer emulsion.
Density at 23°C	Approx. 1.36.
Solids Content	By weight: Approx. 54%.
	By volume: Approx. 37%.
Packaged Viscosity	Viscosity at 23°C: Approx. 100 KU.
Spreading Rate	Approx. 9m² per litre depending on surface porosity, profile and application method.
Recommended DFT per coat	Min. 35µm. Max. 45µm.
Recommended WFT per coat	Min. 95µm. Max. 120µm.
Flash Point	Non-flammable.
VOC Levels	This product contains maximum 16 g/l.

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APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle.
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 application. Apply a smooth even coat using a paint roller with a medium pile for smooth surfaces and a long pile paint roller for textured surfaces working the **Dulux Weatherguard Water Based Plaster Primer** well into the surface.
Thinner	Thinning not recommended. Ready for use after thorough stirring. Water if required for spraying to maximum of 5% of product volume.
Drying Time	Touch dry 1 hour 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, porous bricks and various composite boards.
Precautions:	Do not apply during cold (below 10°C) or wet weather. Not suitable as a primer for metal surfaces. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. Not suitable for application to non-porous substrates. Not designed to withstand natural weathering. It should be over coated within 48 hours. If left uncoated for extended periods, sanding will be required before application of the topcoat.
Coats Required	New work 1 coat, a 2nd coat may be required on very absorbent surfaces.
Top Coating	Can be over coated with most **Dulux** decorative finishes.

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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. Remove whatever powdery residues can be brushed off with a stiff brush. Surfaces must be thoroughly dry - no more than 15% moisture content measured with Protimeter in %WME mode.

NEW SURFACES

Cement Plaster (non-friable), Composite Boards, Fibre Cement and Unglazed Bricks

- Fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.
- Remove any loose particles and laitance by most suitable means. Soft, under bound, friable surface including pointing mortar need to be removed and repaired to a sound condition.
- Spot-prime metal strips and nail heads with appropriate metal primer.
  For very absorbent surfaces more than one coat **Dulux Weatherguard Water Based 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 manufacturer's 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 Weatherguard Water Based 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 Weatherguard Water Based 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 **Dulux Weatherguard Water Based Plaster Primer** to achieve the correct binding and sealing properties.

Concrete

- 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.

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SURFACE PREPARATION

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.
- Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. NOTE: **Dulux Bonding Liquid** or **Dulux Water Based Bonding Liquid**, which is un-pigmented, is preferred as alternative to **Dulux Weatherguard Water Based Plaster Primer** for correctly prepared chalky surfaces (non-friable) as it has the ability to penetrate further into the surface.
- 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 surface thoroughly with clean water and allow drying.
- Prime all exposed areas. For very absorbent surfaces more than one coat **Dulux Weatherguard Water Based Plaster Primer** could be required to achieve correct binding and sealing properties.

FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint** filler and spot prime filled areas with **Dulux Water Based 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: Contains methylisothiazolinone 1,2-benzisothiazol-3(2H)-one. May cause an allergic skin reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Dulux 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. 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, always store and transport containers in a secure, upright position

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ADDITIONAL INFORMATION

Packaging	1Lt, 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.

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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