

DULUX BONDING LIQUID

TECHNICAL DATA SHEET

Version 1 – 2015 JUNE

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

Sealer for penetrating and bonding powdery surfaces

PRODUCT USES

- Recommended as a penetrating sealer for new dry interior and exterior porous surfaces such as gypsum plaster, brick, concrete, cement, composite board.
- Suitable as a bonding liquid for penetrating and binding unsound previously painted substrate.

FEATURES AND BENEFITS

- Contains specialised resins which provide optimal penetration into and bonding of powdery surfaces.
- Ensures surfaces are properly prepared for subsequent decorative undercoats and topcoats.
- Excellent alkali resistance.
- Provides adhesion to gypsum plaster for decorative solvent and water based topcoats.

PRODUCT INFORMATION

Appearance	Matt to Semi-Gloss
Colour	Clear
Binder Type	Solution Acrylic
Density at 23°C	Approx.: 0.80
Solids Content	By weight: Approx. 18% By volume: Approx. 15%
Packaged Viscosity	Viscosity at 23°C: Approx. 15 seconds F4
Spreading Rate	Approx. 12m ² per litre depending on surface porosity, profile and application method
Recommended DFT per coat	Penetrates substrate
Flash Point	37°C

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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.
Application methods	Brush, roller or spray application. Brush or roller preferred to ensure the product is worked well into the surface.
Thinner	Thinning not recommended. Ready for use after thorough stirring for brush and roller applications. Mineral Turpentine if required for spraying to maximum of 5 - 10% of product volume.
Drying Time	Surface dry 2 hours at 23°C.
Recoating Time	18 hours at 23°C minimum; 24 hours 23°C maximum (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 Brush Cleaner Degreaser or Mineral Turpentine.
Substrates	Suitable for cement plaster, gypsum plaster, concrete, friable masonry, porous bricks, fibre cement and composite boarding.
Precautions:	Do not apply during cold (below 10°C) or wet weather. Not suitable as a primer for metal surfaces. Surfaces must be completely dry before applying this material. If the application produces, glossy lightly sand to a matt finish. Not designed to withstand natural weathering. It should be over coated within 48 hours.
Coats Required	New work 1 coat, a 2 nd coat may be required on very absorbent surfaces
Top Coating	Can be over coated with most Dulux decorative finishes.

SURFACE PREPARATION

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Remove whatever powdery residues that can be brushed off with a stiff brush. Surfaces must be thoroughly dry - no more than 12% moisture content.

NEW SURFACES

- It is recommended that fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.

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- Spot-prime metal strips and nail heads with appropriate metal primer.
- Apply a single coat **Dulux Bonding Liquid**. For very absorbent surfaces such as gypsum plaster apply 2 to 3 coats, to achieve best binding properties

PREVIOUSLY PAINTED SURFACES

Old Paint in Poor Condition

- Remove all loose and flaking paint.
- 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.
- Chalked, powdery surfaces must be thoroughly brushed or washed down.

Lime Washed and Distempered Surfaces

- Surfaces must be thoroughly wire-brushed, scraped and sanded to remove all lime wash i.e. until the underlying plaster or brickwork is visible, known as the “grey state”.
- Remove distemper, with hot water and scraping. Wash surfaces thoroughly with **Dulux Sugar Soap** and rinse with clean water. Allow surfaces to dry out thoroughly.
- 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.

FILLING

Fill all imperfections with the appropriate Fixit filler and spot prime filled areas with **Dulux Bonding Liquid** 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

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.

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
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	N/A product specific

TDS STD 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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