AUDU00119 Dulux Precision Maximum Strength Adhesion Primer

Introduction

Part A
51WD0072

Description and Image

Dulux Precision Maximum Strength Adhesion Primer is specifically formulated to bond to a variety of 'tough to paint' surfaces which typically resist coatings. It provides a sound base for topcoats while reducing or potentially eliminating the need for sanding dense, glossy surfaces. With excellent adhesion properties, it is suitable as a primer, sealer and undercoat. Use Dulux precision Maximum Strength Adhesion Primer where ensuring a secure bond is critical in situations when performance of a traditional oil or water based primer may be questionable. Suitable for interior & exterior applications, including varnished timber.

Features and Benefits

- Water Based
- Low Odour
- Creates a strong bond for topcoats
- Primes interior & exterior surfaces
- Superior adhesion to glossy surfaces
- Adheres to surfaces that typically resist coatings
- Fast drying - touch dry 30min, re-coat 1 hr
- Use under Dulux acrylic & oil based topcoats

Uses

Tiles, High gloss enamels, Varnished Timber, uPVC, Fibreglass, Aluminium, Galvanized steel, Colorbond

Precautions and Limitations

Important! Do not open can without reading instructions
Do not use on floors, benchtops or areas subject to ponding water
Keep from freezing

All preparation and painting must conform to AS/NZS 2311:2009 Guide to the painting of buildings. NB: This Standard provides a guide to products and procedures for the painting of buildings for general domestic, commercial and industrial use. The Standard does not include a specific recommendation for the long-term protection of iron or steel exposed directly to the atmosphere or to internal climates likely to have aggressive environments which are dealt with in AS/NZS 2312.

Only apply if surface, air and product temperatures are between 10°C and 32°C.
Do not apply if the surface temperature is below 10C or conditions indicate it will fall below10C during the drying period.
For difficult surface priming applications do not tint
For difficult surface priming applications do not thin unless absolutely necessary. Maximum addition of 100 mls per 1 Litre

Finishing: Topcoat within 30 days to prevent contamination of the primer before painting.

Precision Maximum Strength Adhesion Primer can be used where ensuring a secure bond is critical in situations when performance of a traditional water or oil-base primer may be questionable. For interior and exterior use on a variety of surfaces including; Kynar®, Fluoroset®, uPVC, Vinyl (unplasticised), Formica®, Laminex®, glass, tile, glazed brick, chalky paints, glossy finishes, fiberglass and metals.

Not recommended for floors or horizontal surfaces or areas subject to prolonged water contact.

Precision Maximum Strength Adhesion Primer may be used under epoxies, lacquers and products containing Xylene or other "hot" solvents, provided it's allowed to dry for 24 hours before top-coating and tested for compatibility in an inconspicuous area before full coat application.

When used under solvent based enamel paints Precision Maximum Strength Adhesion Primer MUST be sanded prior to application of the top coat.

When used under water based top coats containing high levels of slow evaporating coalescing solvents, allow Precision Maximum Strength Adhesion primer to dry for at least 2 hours before applying the first layer of top coat.

Precision Maximum Strength Adhesion Primer will gain full strength in 7 days after application.

Performance Guide

Weather **Excellent when used as part of an approved system**	Salt **Resistant to intermittent exposure to salt as part of a suitable system.** **Not to be used as a primary corrosion resistant primer on reactive metals**
Heat Resistance **Up to 100C. This material is permanently thermoplastic. Prolonged use at temperatures above 80C is not recommended.**	Water **Excellent resistance to condensation and water splash as part of a system**
Solvent **Precision Maximum Strength Adhesion Primer is resistant to products containing Xylene and other "hot" solvents, provided it is allowed to dry for 24 hours before top-coating**	Abrasion **Good when top coated** **Designed to be sandable**
Acid **Resistant to intermittent exposure to mild acid as part of a suitable system**	Alkali **Resistant to intermittent exposure to mild alkali as part of a suitable system**

Typical Properties

Gloss Level **Flat**	Thinner **Water**
Colour **White, Do Not Tint**	
Components **1**	Number of Coats **1 For smooth surfaces.**
Toxicity **Lead Free, Dry Film is non toxic**	V.O.C. Level **30.4 g/lt**
Shelf Life **2 years from date of manufacture**	Meets GBCA V.O.C. Requirements? **Yes** Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Sanding Properties **Sandable when dry - 2 hours**	
Touch Dry **30 Minutes**	
Clean Up **Water**	

Clean Up Description
Clean up brushes immediately after use with water and finish with a clean in water with a mild detergent then a full water rinse
Clean any wet overspray or spillage with water.
Clean any dry overspray or spillage with mineral turpentine.

Application Methods

Air Spray **Airless Spray** **Brush** **Roller**

Airless Spray: Tip: 0.015" - 0.021" Filter: 60 Mesh Fluid Pressure: 2,500 - 3,200 psi Roller: Smooth surfaces: 9-12mm Porous surfaces: 12- 19mm
Brush: Nylon/ Polyester Blend

Application Conditions

Solids by Volume: 42

	Min	Max	Recommended
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time (min/hours)	1 hour	30 days	1-2 hours
Theoretical Spread Rate (m²/L)	7.3	10	10

Application Guide

Surface Preparation

All surfaces must be clean, dry and free of oil, grease, mildew, wax, dust, flaky rust, mill scale, loose paint, chalk and other foreign matter that could interfere with adhesion.

If washing is necessary, use a non-soapy detergent or Selleys® Sugar Soap, rinse well and allow to dry.
Remove loose rust, peeling paint and mill scale with a scraper, wire brush or sandpaper.
Clean bare metal in accordance with specific recommendations for the long-term protection of iron or steel which are dealt with in AS/NZS 2312.

Peeling or Cracked Paint: Scrape off loose paint and sand to a smooth surface. Sanding or removal of paint containing lead is hazardous.
Mould or Mildew Covered Surfaces: Wash the area with a mildew remover, rinse with water and allow to dry before priming.
While Precision Maximum Strength Adhesion Primer is formulated to bond without sanding, it is recommended that a small area be tested for adhesion prior to beginning the job.

Application Procedure and Equipment

Eye protection is recommended.
Only apply if surface, air and product temperatures are between 10°C and 32°C.
Apply using a brush, roller or spray;
Brush – High quality Nylon/Polyester
Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces.
Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI
For spray applications; a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

Health and Safety

SDS Number **DLXGHSEN001275**	SDS Link **View SDS Link**
SDS Number **For detailed information refer to the Product Label and the current Material Safety Data Sheet**	SDS Link
SDS Number **Customer Service:**	SDS Link
SDS Number **AUSTRALIA : 13 25 25**	SDS Link
SDS Number **NEW ZEALAND: 0800 800 424**	SDS Link

Using Safety Precautions
If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).
Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the

Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.
Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage	
Pack A **Precision Maximum Strength Adhesion Primer 51W-D0072**	
Size: **1 Litre, 4 Litre**	Weight: **1.38kg, 5.52kg**
Flash Point **Not Applicable - Water Based**	UN Number **1263**
Dangerous Goods Class **Not Classified as Dangerous Goods**	Package Group **N/A**

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Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.duspecplus.com.au. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.