Dulux Precision Maximum Strength Adhesion Primer

AU_DD02066

Part A	51WD0072

Description

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

- Water Based
- Low Odour
- Creates a strong bond for topcoats
- Primes interior & exterior surfaces

Benefits

- 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 VOC Requirement?	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 Method	Air Spray, Airless Spray, Brush, Roller **Other**: 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)	1 hour	30 days	1-2 hours
Theoretical Spread Rate (m^2/L)	7.3	10	10

Typical Properties Notes

Vehicle: - Styrenated Acrylic Copolymer
Weight Solids: - 58% (+/-) 2%
Volume Solids: - 42% (+/-) 2%
Weight per Litre (kg/l): 1.38 (+/-) 2
Viscosity: - Medium Fluid

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

MSDS Number	DLXGHSEN001275 FOR DETAILED INFORMATION REFER TO THE PRODUCT LABEL AND THE CURRENT MATERIAL SAFETY DATA SHEET AVAILABLE THROUGH CUSTOMER SERVICE. AUSTRALIA : 13 25 25 NEW ZEALAND: 0800 800 424	**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.
Health Effects	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: Acute Effects Inhalation: Material is an irritant to mucous membranes and respiratory tract. Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Ingestion: Swallowing can result in nausea, vomiting and	**Flammability**	Non-combustible material.

	irritation of the gastrointestinal tract. Eye contact: A moderate eye irritant.		
Personal	Hygiene measures: Keep away from food, drink and animal feeding stuffs. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.	**Fire Suppression**	Hazchem Code: Not applicable. Suitable extinguishing media: Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
Protective Equipment	Personal protection equipment: H: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR. Wear overalls, chemical goggles 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 butyl rubber/leather/natural rubber/neoprene/nitrile rubber/polyethylene/polyvinyl alcohol (PVA)/polyvinyl chloride (PVC)/teflon 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.	**Welding**	As with all materials it is best not to use in areas where welding operations area being conducted.
Storage	Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials - Acids, alkalis and oxidising agents. Keep containers closed when not in use - check regularly for leaks. SMALL SPILLS Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage. LARGE SPILLS Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services. Dangerous Goods – Initial Emergency Response Guide No: Not applicable.	**Disposal**	If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations. Unused paint: Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper and allowed to dry, and then disposed of via domestic waste collections. Empty paint containers: Should be left open in a well-ventilated area to dry out. When dry, recycle the container via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first. DO NOT REUSE CONTAINER
Handling	Handling: Avoid skin and eye contact and inhalation of vapour, mist or aerosols.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	Precision Maximum Strength Adhesion Primer 51W-D0072	**Shipment Name**	PAINT
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

Images

Please note that this document is only valid for 60 days from the date of issue.

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