AUPR00040 Dulux Professional SteriGuard Ultra White Low Sheen

Introduction

Part A	Part B
56U-84179	**56X-D0100**

Description and Image

Dulux Professional SteriGuard ULTRA Low Sheen White is a two part durable polyurethane for interior use. When mixed, uses Bayhydrol® Water Based Technology from Bayer MaterialScience to produce an ultra tough, chemical resistant interior finish designed to withstand high intensity cleaning cycles in clinical environments. The low VOC*, low odour formula ensures quick return to service with less disruption. Dulux Professional SteriGuard ULTRA Low Sheen White contains Bio-Pruf™ Technology, which when combined with clinical cleaning programmes, helps assist in the protection against mould and bacteria to keep surfaces clean and help maintain good indoor air quality. All Dulux Professional products are designed to meet the application needs of painters.

Features and Benefits

- Contains Bio Pruf Technology (Trademarked by Dow Chemical Company)
- Low Odour formula
- *Low VOC - Less than 5g/L of Volatile Organic Compounds (VOC's) untinted or tinted
- Ultra Hard Wearing
- Tintable with Decorama tinters
- Bio Pruf is a specially developed biocide that protects against mould and mildew growth when used in conjunction with clinical cleaning programmes
- Low odour formula allows quick return to service and less disruption to patients and facility
- The low VOC formula delivers to GBCA guidelines and is safer to both applicators and tenants
- The ultra hardwearing formula allows the product to withstand high intensity clinical cleaning cycles with cleaning agents typically used in such environments. This is an important consideration for facility managers and asset owners when considering ongoing maintenance. The Bayhydrol Water Based Technology helps to achieve this ultra tough, chemical resistant, specialty coating.
- Can be tinted in-store to selected colours within the Dulux range that are available in white base

Uses

Ideal for interior broadwall areas in high intensity clinical environments such as trauma bays, emergency rooms and procedure rooms, intensive care, and laboratories in such environments as hospitals, veterinary and dentist practices, prisons, aged care, medical centres, gym and sports facilities. High intensity clinical cleaning cycles use harsh cleaning agents such as chlorine agents, quaternary ammonium agents, disinfecting wipes, low level biocides and benzalkonium chloride on a frequent basis.

✓ Interior ✓ Wall

Precautions and Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.

WARNING: Part B contains polyisocyanate, a chemical that is considered a respiratory and skin sensitizer, therefore this product should NOT be spray applied and must only be applied in a well ventilated area.
Read SDS carefully for proper handling.

Tint Part A only.

NOTE: Use 4L tint formula in Part A can. Maximum tinter 2Y/L (or 8Y per 4L can). Available in any Dulux colour tinted from White base.
WARNING: Once Part B added to part a do not reseal can containing mixture. Use product within pot life of 2 hours (at 25°C & 50% Relative Humidity - Less time as temperature increases).

Caution: Left over mixed product will continue to react releasing carbon dioxide. After extended periods (>6 hrs) mixed product may foam and expand. any remaining mixture (<1.5L) should be left to dry in the un-sealed 4L can. Remaining volumes greater than 1.5L may overflow from 4L container.

Allow 7 days for film to fully cure before subjecting to washing/cleaning. Use a non-abrasive cleaning cloth to maintain condition of painted surface.

Performance Guide

Weather **Designed for interior use only. Not recommended for exterior use.**	
Water **Suitable for use in wet areas.**	
Solvent **Excellent resistance to harsh detergents, chlorine and ammonia based cleaning agents, disinfecting agents and mild alcohols.**	Abrasion **Excellent scrub and stain resistance.**
Alkali **Excellent resistance to alkaline cleaning chemicals.**	

Typical Properties	
Gloss Level **4-10 at 60 degrees, 8-12 at 85 degrees**	Thinner **Water**
Colour **Machine tinted to a wide range of colours from White base. Tint Part A only.**	
Components **2**	Number of Coats **2 - However, some colours may require more than 2 coats, especially when painting over dark colours.**
Toxicity **Lead free. Dry film is non-toxic.**	V.O.C. Level **< 5g/L inclusive of Dulux Low VOC tinter.**
Shelf Life **12 months from date of manufacture (Part A & Part B). Refer "Best Before" date on cans.**	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.
Mixing Ratio **4:1 (By Volume)**	
Pot Life **2 hours at 25°C (3.75L mixed volume)**	Touch Dry **1 hour (at 25°C & 50% Relative Humidity)**
Clean Up **Water**	
Clean Up Description Clean all equipment with water.	
Application Methods **Brush** **Roller** This product is NOT to be sprayed. PPE (Personal Protective Equipment) should always be worn when using this product. This includes safety glasses, impervious gloves and overalls as a minimum.	

Application Conditions	Solids by Volume		
	51.2		
	Min	Max	Recommended
Wet Film Per Coat (microns)	62.5	125	62.5
Dry Film Per Coat (microns)	32	64	32
Recoat Time (min/hours)	1 hour	24 hours	overnight
Theoretical Spread Rate (m²/L)	16	8	16

Application Guide

Surface Preparation

Ensure all surfaces are clean and dry prior to application. Brush down to remove dust.

Previously Painted Surfaces
Wash down with sugar soap and rinse with clean water to remove any dirt, oil or grease. In cases where mould or mildew is present, use a household bleach solution. Dilute 1 part bleach with 3 parts clean water. Wear gloves and goggles. Use a scouring pad wet with bleach solution to lightly abrade the surface and ensure physical removal of stubborn areas of mould growth. Leave the bleach solution on the surface for 15 minutes, then thoroughly remove by washing down with clean water and wipe dry. In very severe cases, repeat this action to remove all mould.

Surfaces must be sanded to remove loose, peeling, flaking or chalky paint. Sand all gloss and semi gloss surfaces to a dull finish and wipe down with a damp cloth to remove surface dust. Apply one coat of Dulux Professional Acrylic Sealer Undercoat or Dulux

Professional Total Prep® Acrylic to any areas that have been repaired or which have an uneven gloss level.

Bare Paperfaced Wallboard, Cement Sheet and Brick
Brush down to remove any surface dust. Apply one coat of Dulux Professional Total Prep Acrylic or Dulux Professional Acrylic Sealer Undercoat.

Bare Interior Timber
Sand smooth. Dust off. Apply one coat of Dulux Professional Total Prep Acrylic.

Bare Set Plaster, Fibrous Plaster and Plasterglass
Brush down to remove any surface dust. Apply one coat of Dulux Professional Oil Based Primer Sealer Undercoat. For best results on bare set plaster and powdery surfaces apply one coat of an appropriate sealer binder.

Application Procedure and Equipment

WARNING: Part B contains polyisocyanate, a chemical that is considered a respiratory and skin sensitizer, therefore this product should NOT be spray applied and must only be applied in a well ventilated area.

Read SDS carefully for proper handling.

Pour ALL of Part B into Part A. DO NOT PART MIX.

Mix the contents of Part A and Part B together thoroughly by hand using a paddle stirrer. Allow to stand for 5 minutes.

Brush/Roller
Use a medium nap synthetic roller. Pre-wet brushes and roller with water before commencing application. Avoid excessive brushing or rolling back into the paint which has been drying for more than 3 minutes. Remember using poor quality or worn rollers can affect the final finish achieved.

Thinning: Not usually required.

Apply one coat of Dulux Professional SteriGuard ULTRA. If paint is left over and still within pot life, a second coat may be applied after 1 hour drying (the surface may still have some residual tack, but this is okay). The application can be eased by thinning with up to 50ml water per litre.

Ideally, the second coat should be applied after overnight dry with a new kit. If second coat is applied more than 24 hours after first coat, adhesion may be compromised. To re-coat cured surface, sanding would be required to ensure proper adhesion. In projects lasting more than one day, you must achieve a clean break point to avoid overlapping the next day.

Do not overbuild product. ie. Applying wet film builds in excess of 125um may lead to voids being trapped in the dry film, compromising final coating properties.

Please note that the product cannot be used beyond the pot life. This will compromise the application and final appearance of the product on the wall.

Drying times on a day of around 25°C and 50% humidity
Touch Dry - 1 hour
Re-coat - 1.5 hours

Note: Under cooler or humid conditions allow longer times. Do not use at temperatures below 10°C, or when the temperature of the surface may fall below 10°C during the drying period.

Allow 7 days for film to fully cure before subjecting to washing/cleaning. Use a non-abrasive cleaning cloth to maintain condition of painted surface.

Health and Safety	
SDS Number **Part A: DLXAUSEN000428**	SDS Link View SDS Link
SDS Number **Part B: DLXAUSEN000430**	SDS Link View SDS Link
Using Safety Precautions Keep out of reach of children. Provide adequate ventilation. Keep windows and doors open during use and while drying. This product is NOT to be sprayed. PPE (Personal Protective Equipment) should always be worn when using this product. This includes safety glasses, impervious gloves and overalls as a minimum.	
Please refer to SDS Link. In case of emergency, please call 1800 220 770.	

Transport and Storage	
Pack A **56U-84179**	
Size: **3L**	Weight: **4.4 Kg**
Flash Point **NA**	UN Number **NA**
Dangerous Goods Class **NA**	Package Group **NA**
Pack B **56X-D0100**	
Size: **0.75L**	Weight: **0.88 Kg**
Flash Point **185 (calculated)**	UN Number **NA**
Dangerous Goods Class **NA**	

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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.