AUDU05434 Dulux Concrete & Paving Stage 2 Bare Concrete Primer

Description and Image

Dulux Concrete & Paving Bare Concrete Primer is the second stage in preparing bare concrete surfaces for a finishing coat. The unique, water-based formula stabilises the surface of bare concrete allowing optimal adhesion of the finishing coat, ensuring a lasting finish.

Features and Benefits

- Creates a consistent surface for optimum adhesion
- Penetrates and strengthens the concrete surface
- Easy to Apply
- Fast drying water based technology, apply 2nd coat within 1 hour, top coat after 1 hour

Uses

Areas: Bare concrete surfaces such as garage floors, driveway, paths, patios and steps.

Substrates: All new and old unpainted, bare concrete.

✓ Interior ✓ Exterior

Precautions and Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do Not paint at surface temperatures below 10C or when the temperature of surface may fall below 10C during the drying period.
Do Not paint at surface temperatures above 35C or when the temperature may exceed 35C during the drying period.

Product available in 1lt, 4lt and 10Lt sizes.
52ZD0183-1L
52ZD0183-4L
52ZD0183-10L

Do Not apply to pavement surfaces that have a gradient greater than 1:8 or slope of 7 degrees. For surfaces greater than 1:8 or 7 degrees please refer to Dulux Help and Advice for assistance.

Avoid exposure to rain or water for a minimum of 1 hour after application.

Although film is generally dry to touch in 30 minutes, allow 24 hours before light foot traffic and 5 days before vehicular traffic.

Only suitable for use under other Dulux Concrete & Paving water-based topcoats.
Do not use solvent-based Dulux Concrete & Paving Clear Protective Sealers on surfaces primed with Dulux Concrete & Paving Bare Concrete Primer.

New Concrete:

For newly poured concrete, it is recommended to allow a minimum of 4 weeks for proper curing before proceeding with surface preparation and painting. The curing process is a crucial stage in concrete development, where the concrete gains strength and durability over time. Failure to allow sufficient curing time can result in a weak and porous concrete surface, leading to adhesion issues and premature coating failure. Additionally, if the concrete is not fully cured, moisture can still be present within the surface, which can cause problems with coating adhesion and result in bubbling, blistering, or peeling of the coating.

Old Concrete:

Old concretes must be properly etched and cleaned prior to application of Dulux Concrete & Paving Bare Concrete Primer.

FAQ Reference

https://www.dulux.com.au/products/concrete-paving/faq

Performance Guide

Weather **Designed for interior and exterior use.**	Salt **This product is to be used as a primer only; when it is top coated with Dulux Concrete & Paving water-based topcoats, this system will be resistant against salt.**
Heat Resistance **This product is to be used as a primer only; when it is top coated with Dulux Concrete & Paving water-based topcoats, this system will have an upper heat resistance of 80oC**	Water **This product is to be used as a primer only; when it is top coated with Dulux Concrete & Paving water-based topcoats, this system will be resistant against intermittent water exposure. Not suitable for ponded water situation.**
Solvent **Sensitive to aromatic hydrocarbons and alcohols.**	Abrasion **This product is to be used as a primer only; when it is top coated with Dulux Concrete & Paving water-based topcoats, this system will have good wet and dry burnish resistance and stain resistance.**
Acid **This product is to be used as a primer only; when it is top coated with Dulux Concrete & Paving water-based topcoats, this system will be resistant against mild acids.**	Alkali **This product is to be used as a primer only; when it is top coated with Dulux Concrete & Paving water-based topcoats, this system will be resistant against mild alkalis**

Typical Properties

Gloss Level **Not applicable.** **Primer only, must be top coated.**	Thinner **DO NOT THIN.** **Product is ready for use.**
Colour **Translucent Milky White**	
Components **1**	Number of Coats **2**
Toxicity **Lead free. Dry film is non-toxic**	V.O.C. Level **4 g/l**
Shelf Life **2 years minimum from Date of Manufacture, in an unopened container.**	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.
Pot Life **Not suitable for sanding.**	Touch Dry **30 minutes**

Clean Up

Water

Mineral Turpentine if dry

Clean Up Description
Clean all equipment with water while wet.
Do not attempt to recover dried out brushes or rollers.

Application Methods

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

Application Conditions

Solids by Volume: 19

	Min	Max	Recommended
Wet Film Per Coat (microns)	100	100	100
Dry Film Per Coat (microns)	19	19	19
Recoat Time (min/hours)	1 hour	24 hour	1 hour
Theoretical Spread Rate (m²/L)	10.00	10.00	10.00

Typical Property Notes
Touch Dry: 30 minutes.
Recoat: 1 hours.

Application Guide

Surface Preparation

Dulux Concrete & Paving Bare Concrete Primer requires a clean surface to adhere. All grease, oil, mould, and dirt contamination must be removed, or the primer will not penetrate and adhere.

Surface must be prepared by pressure washing and etching as per following process.

All new & old bare concrete
On all surfaces, cleaning is the most important step. The concrete must be cleaned well and profile correctly.

1. Pressure wash the surface (use a 1200psi or higher-pressure machine) to remove dirt dust, algae, mould and other contaminants as much as possible.
2. Apply Dulux Concrete & Paving Bare Concrete Etch & Clean (52ZD0198), using a plastic watering can evenly apply, before scrubbing into the surface.

(NB: acid alone will not clean the concrete, nor will it break down oils and silicone residue. Acid only works by reacting with the alkaline salts in the concrete. If the concrete is covered with these residues, the acid will likely just sit there and do nothing. Dulux Concrete & Paving Bare Concrete Etch & Clean contains both acid and surfactants. The latter are designed to help remove any oily residues in the surface).

1. Allow Dulux Concrete & Paving Bare Concrete Etch & Clean to remain on the surface for 10-15 minutes even though most reaction (seen as bubbling/fizzy reaction) will likely subside after a couple of minutes. Ensure that the surface does not dry out. Some reaction products from the acid may form insoluble residue. If this occurs and the surface dries these residues will be very hard to remove.
2. Power wash the surface to remove all residues released.
3. Allow the cleaned surface to dry.

NB: Dulux Concrete & Paving Bare Concrete Primer can be applied to damp concrete. The bare concrete must be absent of any ponded surface water and preferably be on its way to being noticeable dry before the primer is dried.

Application Procedure and Equipment

Application

Brush (50-65mm high quality angled Sash Cutter brush) and roller (15mm nap, 230mm or 270mm wide microfibre roller)
Stir thoroughly before and during use.

1. Mask all adjacent surfaces to prevent product contaminating areas that are not needed for the application.
2. Use a brush to apply to any edges and hard-to-reach places.
3. Then, use a roller to apply 1 coat of Dulux Concrete & Paving Bare Concrete Primer evenly across the surface.
4. Lay off. Once section is coated, gently go over the surface in the same direction with an unloaded roller using minimal pressure. This will give a smooth consistent finish. Using poor quality or worn rollers can affect the final finish achieved.
5. Allow the coated surface to dry for 20 minutes.
6. Apply a 2nd coat and allow to dry for 1 hour.
7. Apply desired Dulux Concrete & Paving water-based topcoats.

NB: Do not use solvent-based Dulux Concrete & Paving Clear Protective Sealers on surfaces primed with Dulux Concrete & Paving Bare Concrete Primer.

Health and Safety	
SDS Number **DLXGHSEN003978**	SDS Link **View SDS Link**
Personal Equipment **Wear overalls, safety glasses and impervious gloves.** **Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variation 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.** **Please refer to SDS link. In case of emergency, please call 1800 220 770**	
Using Safety Precautions Keep out of reach of children. Keep windows and doors open during use and while drying. Use with adequate ventilation. If inhalation risk exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716 Please refer to SDS link. In case of emergency, please call 1800 220 770	
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Transport and Storage		
Pack A **1**		
Size: **1 LITRE 4 LITRE 10 LITRE**	Weight: **1.203 4.542 10.922**	
Flash Point **Not Applicable**		UN Number **Not Applicable**
Dangerous Goods Class **Not Applicable**		Package Group **Not Applicable**

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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.