NZDU04277 Dulux Concrete & Paving Stage 1 Bare Concrete Etch & Clean Cleaner

Description and Image

Dulux Concrete & Paving Bare Concrete Etch & Clean prepares bare concrete for priming by removing the laitance layer and roughening the surface to allow for optimum adhesion of the primer. The 2 in 1 Etch & Clean solution also cleans and decontaminates the surface.



Features and Benefits

- Prepares bare concrete for priming
- Roughens concrete surface for optimum adhesion

Uses

Use on all new and old bare concrete. Only use on surfaces that you can power wash to allow for a thorough rinse off of the product.

✓ 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.

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 7 days before vehicular traffic.

To achieve optimal results when applying a coating to a surface, it is essential to prepare the surface appropriately. We recommend using Dulux Concrete & Paving Bare Concrete Etch & Clean (52ZD0198) along with a power washer that has a minimum pressure rating of 1200PSI and a heavy-duty bristle brush. This will ensure a thorough cleaning the surface, which is crucial step in preparing it for coating application.

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.

FAQ Reference
https://www.dulux.com.nz/products/concrete-paving/faq.

Performance Guide	
Weather **Designed for interior and exterior use.**	Salt **This product is to be used as a Bare Concrete Etch & Clean only; when it is top coated with Dulux Concrete & Paving Bare Concrete Primer and Dulux Concrete & Paving water-based topcoats, this system will be resistant against salt.**
Heat Resistance **This product is to be used as a Bare Concrete Etch & Clean only; when it is top coated with Dulux Concrete & Paving Bare Concrete Primer and Dulux Concrete & Paving water-based topcoats, this system will have an upper heat resistance of 80°C.**	Water **This product is to be used as a Bare Concrete Etch & Clean only, when it is topcoated with Dulux Concrete & Paving Bare Concrete Primer and Dulux Concrete & Paving water-based topcoats. The system is not suitable for ponded water situation.**
Solvent **This product is to be used as a Bare Concrete Etch & Clean only; when it is topcoated with Dulux Concrete & Paving Bare Concrete Primer and Dulux Concrete & Paving water-based topcoats, the system is sensitive to aromatic hydrocarbons and alcohols.**	Abrasion **This product is to be used as a Bare Concrete Etch & Clean only; when it is topcoated with Dulux Concrete & Paving Bare Concrete Primer and 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 Bare Concrete Etch & Clean only, when it is top coated with Dulux Concrete & Paving Bare Concrete Primer and Dulux Concrete & Paving water-based topcoats, this system will be resistant against mild acids.**	Alkali **This product is to be used as a Bare Concrete Etch & Clean only; when it is topcoated with Dulux Concrete & Paving Bare Concrete Primer and Dulux Concrete & Paving water-based topcoats, this system will be resistant against mild alkalis.**

Typical Properties	
Gloss Level **Not applicable.**	Thinner **Dilution ratio is 1:4 in water.** **For heavy stains, dilution ratio is 1:2 in water.**
Colour **Clear** **DULUX CONCRETE & PAVING BARE CONCRETE ETCH & CLEAN 2L 52ZD0198-2L 9300611643230** **DULUX CONCRETE & PAVING BARE CONCRETE ETCH & CLEAN 4L 52ZD0198-4L 9300611643247**	
Components **1**	Number of Coats **Not applicable**
V.O.C. Level **Not applicable.**	
Shelf Life **2 years minimum from Date of Manufacture, in an unopened container.**	
Pot Life **Not applicable.**	Touch Dry **Dilution ratio is 1:4 in water.** **For heavy stains, dilution ratio is 1:2 in water.**
Clean Up Description Clean all equipment with water while wet. Do not attempt to recover dried out brushes or rollers.	
Typical Property Notes 1L will clean an area of up to 12m2.	

Application Guide

Surface Preparation

Surface Preparation

To achieve optimal results when applying a coating to a surface, it is essential to prepare the surface appropriately. We recommend using Dulux Concrete & Paving Bare Concrete Etch & Clean (52ZD0198) along with a power washer that has a minimum pressure rating of 1200PSI and a heavy-duty bristle brush. This will ensure a thorough cleaning the surface, which is crucial step in preparing it for coating application.

All new & old bare concrete:

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

1. Mask all adjacent surfaces to prevent acid and water splashing to areas that are not needed for the application.
2. Pressure wash the surface (use a 1200psi or higher-pressure machine) to remove dirt dust, algae, mould and other contaminants as well as possible.
3. Apply Dulux Concrete & Paving Bare Concrete Etch & Clean 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).
4. 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.
5. Power wash the surface to remove all residues released.
6. Allow the cleaned surface to dry.

Combination surfaces (bare surface and sealed surface are present):

1. Pressure wash the surface (use a 1200psi or higher-pressure machine) to remove dirt dust, algae, mould and other contaminants as well as possible
2. Apply Dulux Concrete & Paving Sealed Surface Cleaner using a plastic watering can evenly apply, before scrubbing into the surface. Allow Dulux Concrete & Paving Sealed Surface Cleaner 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.
3. Power wash the surface to remove all residues released.
4. Apply Dulux Concrete & Paving Bare Concrete Etch & Clean, using a plastic watering can, to bare patches of concrete. 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.
5. Power wash the surface to remove all residues released. Allow the cleaned surface to dry.

Application Procedure and Equipment

Application

For a Colour/Paint Finish:

Stage 1: Clean the surface with Dulux Concrete & Paving Bare Concrete Etch & Clean
Stage 2: Apply 2 coats of Dulux Concrete & Paving Bare Concrete Primer and allow the surface to dry.
Stage 3: Apply any waterbased Dulux Concrete & Paving Stage 3 Finish. (Dulux Concrete & Paving Coloured Sealer - 52RD0152, 52ND0152, Dulux Concrete & Paving Super Grip - 52VD0153, Dulux Concrete & Paving Crushed Pebble Effect - 52WD0165, 52WD0173)

For a Clear Finish:

Stage 1: Clean the surface with Dulux Concrete & Paving Bare Concrete Etch & Clean.
Stage 2: No Dulux Concrete & Paving primers are required.
Stage 3: Apply Dulux Concrete & Paving Clear Protective Sealer (32QD0170, 32QD0175)

Health and Safety	
SDS Number **DLXNZ7EN003976**	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 0800 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 0800 220 770.

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Transport and Storage	
Pack A **1**	
Size: **2L, 4L**	Weight: **2.490KG, 5.110KG**
Flash Point **Not applicable - water based**	UN Number **3265**
Dangerous Goods Class **Classified as Dangerous Goods Class 8**	Package Group **Not applicable**

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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.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

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.