AUAV00019 Dulux Avista Concrete Sealer General Purpose Semi Gloss

Introduction

Part A
FD278050-20L

Product Overview and Image

Dulux Avista General Purpose Concrete Sealer is a solvent based clear coating that seals and helps protect the substrate from weathering and ingress of dirt and grime.

Features and Benefits

- Solvent Based
- Clear Semi-Gloss Sealer
- Enhances the natural colour of the surface
- Good marking resistance
- Easy to apply
- No primer required

Uses

Dulux Avista General Purpose Concrete Sealer can be used on most exterior concrete surfaces including concrete driveways, porous pavers, resurfaced concrete, and stencilled, stamped and coloured concrete.

Note: Sealer can be used with Dulux Avista Slip Reducing Additive to make the surface more slip resistant, particularly in wet areas. However, surfaces greater than a slope of 1:8 (1 high and 8 long) are not recommended for coating, even with the addition of Dulux Avista Slip Reducing Additive. Seek professional advice or call Dulux Avista on 1800 801 108 for recommendations on how to coat surfaces with a slope of greater than 1:8.

Typical Properties

Components
1

V.O.C. Content
689

Clean Up

Thinner

Application Methods

Brush **Roller**

Specifications	Solids by Volume		
	24.5		
	Min	Max	Recommended
Dry Film Per Coat (microns)	40	80	60
Theoretical Spread Rate (m²/L)	6.12	3.06	4.08

Typical Property Notes
No thinning required
Recommended Film Build Approx. 40-80 microns dry per coat
Coverage Rate Approx. 3-5m2 per litre per coat

Product Properties

Conditions
50 micron dry film cured for 28 days at 25oC before testing with 1 hour soak

UV Resistance **Very good resistance**	Water **No visual effect**
Sodium Hydroxide (Alkali) **No visual effect**	Sulphuric Acid **No visual effect**
Sodium Hypochlorite (Pool Chlorine) **No visual effect**	Petrol (Regular Unleaded) **Softening and dulling of surface – immediately clean with detergent and when dry treat with Dulux Avista Solvent**
Engine Oil **No visual effect**	Brake Fluid (Dot 3) **Softening and dulling of surface – immediately clean with detergent and when dry treat with Dulux Avista Solvent**
Distillate **No visual effect**	Methylated Spirits **Softening with white discolouration (allow to dry and treat with Dulux Avista Solvent)**
Sodium Chloride (Salt) **No visual effect**	

Application Guide

Surface Preparation

Unsealed Concrete
Ensure concrete is sufficiently cured (recommended minimum 14 days).
Concrete is to be clean and free of grease, oil, paint or any curing agent. Stiff broom and general purpose cleaner recommended.
Pressure clean surface thoroughly at minimum 2000 psi to ensure no residues of cleaning product are left on the surface.
Acid etch with hydrochloric acid. Dilute 20 parts water to 1 part Dulux Avista Hydrochloric Acid (depending on porosity) to remove any loosely bound cement and laitance.
Note: smooth concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid.
Wet down the area to be treated with water. Leave until there is no standing water then proceed.
Apply diluted acid to the surface using a large head watering can, applying in a criss-cross motion (approximately 5-10m² sections). Acid will start to fizz on the surface once it starts to react with the laitance in the concrete.
Wash down with water then pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on the surface). Pressure clean at minimum 2000 psi.
Ensure surface is dry before sealing using a moisture meter (sealing over damp concrete will cause whitening in the coating). The moisture content must be below 10% prior to sealer application. If no moisture meter is available, refer to Dry Test.

Previously sealed concrete surfaces
Cross Hatch Test is required.
This simple test should be used to ascertain whether existing sealer is suitable to be resealed over.
1.Use a sharp blade to create a light "cross-hatch" incision through the sealer.
2.Place a piece of self adhesive packaging tape (suggest clear packing tape) over the incision.
3.Press firmly for maximum adhesion and remove sharply. Repeat with fresh tape several times.
If sealer is present on the tape, it is advised sealer be completely stripped from surface. Seek professional contractors should stripping be required.
If there is no sign of sealer adhering to the tape or delaminating from the surface, this would indicate that the bond of the existing sealer is sufficient for resealing.

Important note: if the current sealer shows signs of whitening or blooming, regardless of the cross hatch test results, the sealer may need to be stripped completely from the surface. Whitening may reoccur if a new coat of sealer is applied over this problem.

Cleaning
Concrete is to be clean and free of grease and oil. A stiff broom and general purpose cleaner recommended.
Pressure clean at minimum 2000 psi to clean and remove all contaminants. Allow the surface to dry before resealing (sealing over damp concrete will cause whitening). The moisture content must be below 10% prior to sealer application. If no moisture meter is available, refer to Dry Test.

Solvent Treatment
If the old Sealer has been properly cleaned and passes the cross hatch test then after a required solvent treatment a new coating of Dulux Avista Sealer can be applied. Dulux Avista Solvent is required to reactivate the existing sealer. This will help with the adhesion of the new sealer coat.
Apply Dulux Avista Solvent to the area being resealed using a roller and roller tray
Note: If resealing a resurfaced area, do not apply too much solvent as it may soften the resurfacing products.

Complete solvent treatment of the entire surface.
Allow the area to dry enough to walk on before proceeding to the sealing stage.

Application Procedure and Equipment

Apply Dulux Avista Solvent to the area being resealed using a roller and roller tray
Note: If resealing a resurfaced area, do not apply too much solvent as it may soften the resurfacing products.

Complete solvent treatment of the entire surface.
Allow the area to dry enough to walk on before proceeding to the sealing stage.
Stir Dulux Avista General Purpose Semi Gloss Concrete Sealer well before pouring into a roller tray.
Roll evenly onto the surface using a good quality lambswool roller.
Allow to dry for 2 hours before applying a second coat of sealer.
To obtain a lower slip factor it is advisable to use the appropriate Slip Reducing Additive with the sealer for better grip under adverse conditions e.g. wet areas and pool surrounds. See Dulux Avista Slip Reducing Additive TDS for details.

Drying time
Allow 2 hours between coats.
Do not apply sealer at temperatures below 8°C or above 35°C.

Curing Time
After sealing it is recommended that the sealed surface be protected from:
Rain/water/sprinkler systems for minimum 2 hours
Foot traffic for a minimum of 24 hours
Vehicle traffic for a minimum of 5 days

Dry Test
Place a piece of plastic over a small area (450mm X 450mm), tape the edges and leave for 1 hour.
Remove the plastic, if there is no moisture on either surface, the concrete is sufficiently dry for sealing.

Alternatively, ensure the surface is dry using a moisture meter. The moisture content must be below 10% prior to sealer application.

Health and Safety

SDS Number	SDS Link
PAR000582	**View SDS Link**

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

Precautions and Limitations

Do not seal in high winds or if rain is likely.
Do not apply over painted surfaces. Complete paint removal is required.
Application of sealer can lower slip resistance (Dulux Avista Slip Reducing Additive available).
Not suitable for food preparation areas.
Not a waterproofing membrane.
Not recommended to seal at extreme temperatures below 8°C and above 30°C.

Transport and Storage

Size:	Weight:
4L, 10, 20L, 200L	**3.830kg, 22.16kg,**

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.