

AUAV00019 Dulux Avista Concrete Sealer General Purpose Semi Gloss

Introduction

Product Code
FD278050-200L
FD278050-20L
FD278050-10L
FD278050-4L

Product Overview and Image

Dulux Avista Concrete Sealer General Purpose Semi Gloss is a solvent based clear sealer which provides a durable protective clear coating for concrete driveways, paths and paved areas.







Product Category
Concrete Sealer

Features and Benefits

- Solvent Based
- Clear Semi-Gloss Sealer for external surfaces
- Good marking resistance
- Easy to apply
- Enhances the colour of the surface & provides a wet look appearance
- Durable sealer for all types of concrete surfaces
- Helps protect the surface from the ingress of contaminants
- No primer required

Uses

Dulux Avista Concrete Sealer General Purpose Semi Gloss can be used on most types of exterior concrete surfaces including concrete pavers and stamped, stencilled, resurfaced and coloured concrete. It is not recommended for use on internal concrete floors.
 Caution: this product is not recommended for use on smooth or steep concrete surfaces as it may cause the surface to become slippery, particularly when wet.

Typical Properties			
Components 1			
Shelf Life 5 years when in an undamaged, unopened container stored in a cool area away from sun and heat			
V.O.C. Content 689g per litre			
Clean Up Dulux Avista Solvent			
Sizes 200L, 20L, 10L, 4L			
Application Methods  Air Spray  Brush  Roller  Broom			
Specifications	Solids by Volume		
	<input type="text" value="24"/>		
	Min	Max	Recommended
Wet Film Per Coat (microns)	<input type="text" value="80"/>	<input type="text" value="150"/>	<input type="text" value="120"/>
Dry Film Per Coat (microns)	<input type="text" value="40"/>	<input type="text" value="80"/>	<input type="text" value="60"/>
Theoretical Spread Rate (m ² /L)	<input type="text" value="3"/>	<input type="text" value="6"/>	<input type="text" value="4"/>
Drying Time	Min	Max	Recommended
Touch Dry (min)	<input type="text" value="60"/>	<input type="text" value="120"/>	<input type="text" value="120"/>
Recoat Time (min/hours)	<input type="text"/>	<input type="text"/>	<input type="text" value="2 hours"/>
Comments	<input type="text" value="Full cure 5 days"/>		

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. Resealing may be required.
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. Resealing may be required.
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	

Slip Rating			
Surface Finish	Finish Coat	Slip Reducing Additive	Result
Steel Trowel finished concrete	Dulux Avista General Purpose Sealer Semi-Gloss	Dulux Avista Slip Reducing Additive Powder	P4
Steel Trowel finished concrete	Dulux Avista General Purpose Sealer Semi-Gloss	Dulux Avista Slip Reducing Crushed Glass	P5
Coved finished concrete	Dulux Avista General Purpose Sealer Semi-Gloss	No	P5

Maintenances
<p>Surface should be cleaned regularly, removing mud, dirt & gravel by sweeping and/or pressure cleaning.</p> <p>Remove oil, grease and other chemicals contaminants immediately.</p> <p>Remove excess leaf & organic matter to avoid staining.</p> <p>Avoid driving on surface with rocks in tyres.</p> <p>Dulux Avista General Purpose Sealer should be recoated approximately every 2 years. *</p> <p>*Actual lifespan of the product may vary depending on frequency of use & environmental factors.</p>

Application Guide

Surface Preparation

Preparation Instructions for New Cured and Old Concrete (unsealed)

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. Any oil stains should be treated & cleaned with an industrial degreaser.

Pressure clean surface at minimum 2000 psi and allow to dry.

Acid etch with hydrochloric acid. Dilute approximately 20 parts water to 1 part 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.

Apply diluted acid to 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. Pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on surface). Pressure clean at minimum 2000 psi. Allow surface to dry before sealing (sealing over damp concrete will cause whitening).

Previously sealed concrete surfaces

A cross hatch test is required if the surface has been sealed more than 2 years ago to ascertain whether existing sealer is suitable to be resealed over.

1. Use a sharp blade to create a light "crosshatch" incision through the sealer.
2. Place a piece of self adhesive 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 the 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 existing sealer shows signs of whitening or blooming, regardless of cross hatch test results, sealer may need to be stripped completely from the surface. Whitening may reoccur if new coat of sealer is applied over this problem.

Cleaning

Concrete is to be clean and free of grease, oil and any other contaminants. A stiff broom and general purpose cleaner are recommended. Pressure clean at minimum 2000 psi to clean and remove all contaminants. Allow surface to dry before resealing (sealing over damp concrete will cause whitening).

Solvent Treatment

If the existing sealer on the surface is more than 2 years old, 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 or broom.

Note: If resealing a resurfaced area, do not apply too much Solvent as it may soften the resurfacing product.

Complete solvent treatment of entire surface. Allow area to dry enough to walk on before proceeding with sealer application.

Application Procedure and Equipment

Application Methods

Sealer to be applied by a suitable solvent resistant broom or 11mm-22mm nap roller. Roller used will depend on the profile of the concrete.

The sealer must be mixed prior to application using a stirrer or paddle.

To apply sealer, pour sealer into a roller tray, and evenly roll or broom onto the surface.

Ensure sealer is not applied too thick and no pooling occurs as this may cause bubbling.

Avoid excess sealer build up on the edges of the roller. This can lead to roller lines in the surface.

An additional coat of sealer can be applied after a minimum of 2 hours, (recommended recoat 2 hours)

Drying time: Minimum of 2 hours between coats when applied at 25°C and above at 50% relative humidity. Recoat times will be longer in cooler weather (<25°C) or higher humidity.

Do not apply sealer at temperatures below 8°C or above 35°C.

To obtain a higher slip resistance it is advisable to use the appropriate Slip Reducing Additive with the sealer for better grip under adverse conditions e.g. wet areas, steep slopes and pool surround areas.

Health and Safety	
SDS Number PAR000582	SDS Link View SDS Link
Using Safety Precautions Recommended PPE: Organic vapour respirator mask External covered areas must have adequate natural ventilation due to fumes emitted during and after application Solvent resistant gloves Safety eye wear Appropriate solvent and acid resistant foot wear	
Please refer to SDS Link. In case of emergency, please call 1800 220 770.	

Precautions and Limitations
The sealed surface should not have foot traffic for at least 24 hours and vehicle traffic for at least 5 days. Do not seal in high winds or if rain is likely. Do not apply over painted surfaces. Paint removal required. Not recommended for internal areas, including garage floors. Not suitable for food preparation areas. Not a waterproofing membrane. Do not seal at temperatures below 8°C or above 30°C. Surfaces with a slope ratio of 1 metre fall across 8 metres of distance are not suitable for sealing Application of sealer can lower slip resistance (slip resistance additives available). Important note: Surfaces with a slope of 1:8 (1 metre fall across 8 metres of distance) or greater are not recommended for coating, even with the addition of Dulux Avista Slip Reducing Additive. Contact Dulux Avista for further advice.

Transport and Storage	
Size:	Weight:
4L 20L	3.830kg 22.16kg

Disclaimer

This Data Sheet is copyright to DuluxGroup (Australia) Pty Ltd and/or DuluxGroup (New Zealand) Pty Ltd (collectively, 'Dulux'). It may not be varied or altered without the prior written consent of Dulux, and if it is, Dulux has no responsibility or liability for those variations.

Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

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.