

AUAV00021 Dulux Avista Concrete Sealer General Purpose Matt

Introduction

Part A
FD278055-20L

Product Overview and Image

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






Features and Benefits

- Enhances the natural colour of the surface
- Good marking resistance
- Easy to apply

Uses

Dulux Avista General Purpose Concrete Sealer Matt 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		Mixing Ratio One Part - No mixing of any additional component required.	
Shelf Life 5 years when in an undamaged, unopened container stored in a cool area away from sun and heat		Pot Life Not Applicable - One part solvent drying product	
V.O.C. Content 696g per litre			
Clean Up Dulux Avista Solvent			
Meets GBCA V.O.C. Requirements? No			
Application Methods <div>  Brush  Roller  Pad </div> <p>Broom Roller should be a solvent resistant lambswool roller</p>			
Specifications	Solids by Volume <div>21.1</div>		
	Min	Max	Recommended
Wet Film Per Coat (microns)	<div>200</div>	<div>333</div>	<div>200</div>
Dry Film Per Coat (microns)	<div>42</div>	<div>70</div>	<div>42</div>
Theoretical Spread Rate (m ² /L)	<div>5</div>	<div>3</div>	<div>5</div>
Typical Property Notes Thinning not required			

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 See in Application Procedure and Equipment
Application Procedure and Equipment Application 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. 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 5-10m ² 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. The moisture content must be below 10% prior to sealer application. If no moisture meter is available, refer to Dry Test. Sealer Application For best result should be primed with Avista Preseal Stir Dulux Avista General Purpose Matt Concrete Sealer well before pouring into a roller tray. NB: Stir the product in the drum each time the roller tray needs to be filled. The product contains a flattening agent that has a tendency to settle in the can. Continuous agitation of the product is required to avoid low and high concentration areas during application as these will result in a patchy final coating due to variations in sheen level of the coating. 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 Dulux Avista 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. 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 2 hours Vehicle traffic for a minimum of 5 days

Application Instructions for Sealed Concrete**Testing**

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 that 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 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 Process

Do not apply to concrete if it has a patchy appearance.

Ensure sealer is not applied too thick and no pooling occurs.

Sealing

Stir Dulux Avista General Purpose Matt Concrete Sealer well before pouring into a roller tray.

NB: Stir the product in the drum each time the roller tray needs to be filled. The product contains a flattening agent that has a tendency to settle in the can. Continuous agitation of the product is required to avoid low and high concentration areas during application as these will result in a patchy final coating due to variations in sheen level of the coating.

Roll evenly onto the surface using a good quality lambs wool 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

Maintenance

Remove oil, grease and other contaminants immediately with a general purpose cleaner.

Note: surface will need to be resealed at 18 – 24 months.

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
PARGHSEN000586

SDS Link
[View SDS Link](#)

Using Safety Precautions

Keep out of reach of children. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating, lighting and all other equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust, fume, gas, mist, vapours or spray.
Wash hands, face and all exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area. Wear protective clothing, gloves, eye/face protection and suitable respirator.

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

Suitable only for properly prepared bare concrete, or concrete previously coated with Dulux Avista General Purpose Sealer or Dulux Avista General Purpose Matt Sealer.

Do not paint at temperatures below 8°C or when the temperature of surface may fall below 8°C during the drying period.

Do not seal in high winds or if rain is likely.

Do not apply over surfaces painted with water based or alkyd paints. Complete paint removal is required.

Not suitable for food preparation areas.

Not a waterproofing membrane.

Not recommended to seal at extreme temperatures below 8°C and above 30°C.

Application of sealer can lower slip resistance (Dulux Avista Slip Reducing Additive available).

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.

Transport and Storage

Line Shade /Pack A

FD278055-20L

Size:

20L

Weight:

20.27kg

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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.