

AUAV00062 Dulux Avista Resurfacing Base Compound / Avista General Purpose Sealer on Previously Coated Concrete floors [Exterior]

Scope of Works

Avista Resurfacing Compound system for use over a substrate that is old stencilled concrete.

Substrate and Substrate Preparation

Substrate Notes

Concrete is a mixture of Portland cement, fine and coarse mineral aggregates, water and admixtures. Concrete floor slab construction consists of concrete poured into formwork in which reinforcing steel had been laid. The formwork (usually timber) holds the slab together as the concrete cures. The concrete should be kept wet according to best practice methods to allow the cement to fully hydrate during the curing process of 4-6 weeks to allow it to reach its design strength. Methods include ponding, wet hessian, wet sand or plastic sheet. If allowed to dry out prematurely, concrete will develop laitance, a weak, friable layer on the surface.

A waterproofing membrane should be laid underneath the slab to prevent moisture from rising up from the soil through the slab and causing efflorescence. The presence of laitance or efflorescence will interfere with coating adhesion.

Substrate Preparation Notes

ASSESS SUITABILITY

Inspect to determine the degree of deterioration of existing coatings. Identification of the existing coating is also very helpful in determining the system procedure. Check coating adhesion using the cross-hatch test, as per AS 1580.408.2 : Paints and related materials - Methods of test - Adhesion (cross-cut)

CLEAN SURFACE

Clean surface to remove all dirt, dust, grease, oil, efflorescence, laitance, powdery surfaces and all other surface contaminants by high pressure water cleaning.

REPAIR SURFACE IMPERFECTIONS


Grind out cracks and fill with AVS EPOXY CONCRETE CRACK REPAIR 1.5L-FC378187-1.5L
Feather off areas where previous resurfacing product has lifted. Do NOT fill expansion joints.





PRIME

Spot prime bare concrete areas with AVS RESURFACING PRIMER 10L-FD578046-10L. (Can be coated immediately with Resurfacing product). Then trowel resurfacing product to uniform film build.

Coating System Summary

- | | |
|------------|--|
| • Primer | Dulux Avista Resurfacing Primer |
| • 1st Coat | Dulux Avista Resurfacing Base Compound |
| • 2nd Coat | Dulux Avista Resurfacing Base Compound |

Coating System			
Primer — Dulux Avista Resurfacing Primer			
Coat Type Primer	Datasheet AUAV00007 Dulux Avista Resurfacing Primer		
Read the full Datasheet details at Dulux Avista Resurfacing Primer			
Components 1			
Application Methods  Roller  Floor Squeegee  Broom			
Theoretical Spread Rate (m ² /L)	Min <input type="text"/>	Max <input type="text"/>	Recommended 10
Meets GBCA V.O.C. Requirements? Not Applicable			
<p>Coating Application Details</p> <p>Shake Avista Primer container well before opening and then dilute 1 part Primer to 3 parts water in a clean bucket (4 litres of mixed Primer will cover approximately 40m² depending on the porosity of the concrete).</p> <p>Apply the mixed primer to the surface using a soft broom, roller or sprayer. Spread evenly across the surface so primer doesn't pool as this can affect adhesion. Whilst the surface is still wet, the resurfacing coating can be applied.</p> <p>Whilst the surface is still wet, Dulux Avista Resurfacing Compound can be applied as per the instructions on the bag.</p>			

1st Coat — Dulux Avista Resurfacing Base Compound			
Coat Type 1st Coat	Datasheet AUAV00006 Dulux Avista Resurfacing Base Compound		
Read the full Datasheet details at Dulux Avista Resurfacing Base Compound			
Components 3			
Pot Life approx. 30 minutes, depending on ambient conditions	Yield 12.5L		
Application Methods  Floor Squeegee  Broom  Trowel  Hopper Gun			
Theoretical Spread Rate (m ² /L)	Min 15	Max 30	Recommended <input type="text"/>
Recoat Time **	40	NA	<input type="text"/>
V.O.C. Level 11 grams per litre	Meets GBCA V.O.C. Requirements? Not Applicable		
<p>Coating Application Details</p> <p>Add required amount of clean potable water (3.6 - 4.0 L).in a clean 20L bucket and add Avista Resurfacing Colour Oxide and mix thoroughly with mechanical mixer at low speed until mix colour is uniform.</p> <p>Slowly add Dulux Avista Resurfacing Base Compound, mixing continually.</p>			

Once full content has been added, mix for a further 3 minutes. This step is critical in activating the polymers to achieve an even consistent mixture.

First coat should always be applied to a damp, primed surfaces. Applicable to all trowel or squeegee application methods.

Squeegee/Trowel application (recommended for first coat)

Pour a manageable quantity of Dulux Avista mixture onto the damp, primed concrete surface. Use squeegee or trowel evenly spread the resurfacing compound over the surface.

Do not exceed a thickness of 4 mm per coat, as this may lead to shrinkage cracking. Subsequent trowel or spray coats can be applied to achieve desired decorative finish.

Spray application

Application will require a moisture trap air compressor & hopper gun. Recommended minimum compressor specs: 12 cfm with a 70L tank. Add mix to hopper, ensuring not to overfill - recommend half full.

Before applying to surface, spray on separate fibro test board to obtain desired texture. Adjust pressure to vary texture.

Spray evenly across the surface, holding the hopper approximately 600mm from the ground.

Once area has been completely covered, allow to dry sufficiently to walk on.

Minimum 2 coats at total of minimum 3mm thickness required to achieve sufficient wear factor.

The Dulux Avista Resurfacing System must be sealed once the surface is completely dry. Options for sealing include:

- Dulux Avista General Purpose Sealer (S/G or matt)
- Dulux Avista Extended Wear Sealer
- Dulux Avista 2 Pack Urethane
- Dulux Avista Polyaspartic Sealer

SDS Number	SDS Link View SDS Link
------------	---

2nd Coat — Dulux Avista Resurfacing Base Compound

Coat Type 2nd Coat	Datasheet AUAV00006 Dulux Avista Resurfacing Base Compound
------------------------------	--

Read the full Datasheet details at [Dulux Avista Resurfacing Base Compound](#)

Components 3

Pot Life approx. 30 minutes, depending on ambient conditions	Yield 12.5L
--	-----------------------

Application Methods

Floor Squeegee

Broom

Trowel

Hopper Gun

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	<input type="text" value="15"/>	<input type="text" value="30"/>	<input type="text"/>
Recoat Time **	<input type="text" value="40"/>	<input type="text" value="NA"/>	<input type="text"/>

V.O.C. Level 11 grams per litre	Meets GBCA V.O.C. Requirements? Not Applicable
---	--

Coating Application Details

Add required amount of clean potable water (3.6 - 4.0 L) in a clean 20L bucket and add Avista Resurfacing Colour Oxide and mix thoroughly with mechanical mixer at low speed until mix colour is uniform. Slowly add Dulux Avista Resurfacing Base Compound, mixing continually. Once full content has been added, mix for a further 3 minutes. This step is critical in activating the polymers to achieve an even consistent mixture.

First coat should always be applied to a damp, primed surfaces. Applicable to all trowel or squeegee application methods.

Squeegee/Trowel application (recommended for first coat)

Pour a manageable quantity of Dulux Avista mixture onto the damp, primed concrete surface. Use squeegee or trowel evenly spread the resurfacing compound over the surface.

Do not exceed a thickness of 4 mm per coat, as this may lead to shrinkage cracking. Subsequent trowel or spray coats can be applied to achieve desired decorative finish.

Spray application

Application will require a moisture trap air compressor & hopper gun. Recommended minimum compressor specs: 12 cfm with a 70L tank. Add mix to hopper, ensuring not to overfill - recommend half full. Before applying to surface, spray on separate fibro test board to obtain desired texture. Adjust pressure to vary texture. Spray evenly across the surface, holding the hopper approximately 600mm from the ground. Once area has been completely covered, allow to dry sufficiently to walk on.

Minimum 2 coats at total of minimum 3mm thickness required to achieve sufficient wear factor. The Dulux Avista Resurfacing System must be sealed once the surface is completely dry. Options for sealing include:
 - Dulux Avista General Purpose Sealer (S/G or matt)
 - Dulux Avista Extended Wear Sealer
 - Dulux Avista 2 Pack Urethane
 - Dulux Avista Polyaspartic Sealer

SDS Number	SDS Link View SDS Link
------------	---

Coating System Notes
 * Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
 ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.

Comments
<p>Comments</p> <p>Do not apply in temperatures below 10°C as curing time is significantly delayed. It is not advisable to apply onto very hot surfaces (greater than 40°C) as this can affect cure. Therefore, under very hot conditions it is advisable to shade the application area.</p> <p>Avista's Resurfacing System is a decorative coating and cracks in the concrete base may reflect through the surface.</p>

Disclaimer

This Specification 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 Duspec+ document does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Duspec+ 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 Duspec+ document, 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 Duspec+ document, and as recommended on the applicable Dulux Product Data Sheet and Safety Data Sheets for the relevant products (available from www.duspecplus.com.au). Climatic conditions at application time can affect Duspec+ documentation suitability and product 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 Specification 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.