

AUAV00061 Dulux Avista Resurfacing Base Compound / Wesley Mission complex Chermside on Previously Coated Concrete floors [Exterior]

Scope of Works

Existing tiles to be removed on court yard and substrate reviewed for suitability for overcoating.

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.

Additional Notes

Stencil pattern to be used.

Coating System Summary

- | | |
|------------|--|
| • 1st Coat | Dulux Avista Resurfacing Primer |
| • 2nd Coat | Dulux Avista Resurfacing Base Compound |
| • 3rd Coat | Dulux Avista Resurfacing Base Compound |

Coating System			
1st Coat — Dulux Avista Resurfacing Primer			
Coat Type 1st Coat	Datasheet AUAV00007 Dulux Avista Resurfacing Primer		
Read the full Datasheet details at Dulux Avista Resurfacing Primer			
Components 1			
Application Methods <div>  Roller  Floor Squeegee  Broom </div>			
Theoretical Spread Rate (m ² /L)	Min <input type="text"/>	Max <input type="text"/>	Recommended <input type="text" value="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>			
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 <div>  Floor Squeegee  Broom  Trowel  Hopper Gun </div>			
Theoretical Spread Rate (m ² /L)	Min <input type="text" value="15"/>	Max <input type="text" value="30"/>	Recommended <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		
<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](#)

3rd Coat — Dulux Avista Resurfacing Base Compound

Coat Type

3rd 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)	15	30	
Recoat Time **	40	NA	

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)

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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.

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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.