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).
Them 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	Datasheet
1st Coat	**AUAV00007 Dulux Avista Resurfacing Primer**

Read the full Datasheet details at Dulux Avista Resurfacing Primer

Components
1

Application Methods
Roller **Floor Squeegee** **Broom**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			10

Meets GBCA V.O.C. Requirements?
Not Applicable

Coating Application Details
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).

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.

Whilst the surface is still wet, Dulux Avista Resurfacing Compound can be applied as per the instructions on the bag.

2nd Coat — Dulux Avista Resurfacing Base Compound

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

Read the full Datasheet details at Dulux Avista Resurfacing Base Compound

Components
3

Pot Life	Yield
appox. 30 minutes, depending on ambient conditions	**12.5L**

Application Methods
Floor Squeegee **Broom** **Trowel** **Hopper Gun**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	15	30	
Recoat Time **	40	NA	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
11 grams per litre	**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

3rd Coat — Dulux Avista Resurfacing Base Compound

Coat Type	Datasheet
3rd Coat	**AUAV00006 Dulux Avista Resurfacing Base Compound**

Read the full Datasheet details at Dulux Avista Resurfacing Base Compound

Components
3

Pot Life	Yield
appox. 30 minutes, depending on ambient conditions	**12.5L**

Application Methods

Floor Squeegee **Broom** **Trowel** **Hopper Gun**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	15	30	
Recoat Time **	40	NA	

V.O.C. Level	Meets GBCA V.O.C. Requirements?
11 grams per litre	**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.
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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.

Disclaimer

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