AUAV00070 Dulux Avista Resurfacing Base Compound on Previously Coated Concrete floors [Exterior]

Scope of Works

Avista Resurfacing Coloured Compound over a surface which has previously been resurfaced or coated after preparing the substrate.

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.

Coating System Summary

- 1st Coat — Dulux Avista Resurfacing Base Compound
- 2nd Coat — Dulux Avista Resurfacing Base Compound
- 3rd Coat — Dulux Avista Concrete Sealer General Purpose Semi Gloss
- 4th Coat — Dulux Avista Concrete Sealer General Purpose Semi Gloss

Coating System

1st Coat — Dulux Avista Resurfacing Base Compound

Coat Type	Datasheet
1st 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

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

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

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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 Concrete Sealer General Purpose Semi Gloss

Coat Type	Datasheet
3rd Coat	**AUAV00019 Dulux Avista Concrete Sealer General Purpose Semi Gloss**

Read the full Datasheet details at Dulux Avista Concrete Sealer General Purpose Semi Gloss

Components
1

Application Methods

Air Spray | Brush | Roller | Broom

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	3	6	4
Wet Film Per Coat (microns)	80	150	120
Dry Film Per Coat (microns)	40	80	60
Recoat Time **			2 hours

V.O.C. Level
689g per litre

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

Coating Application Details
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.

SDS Number
PAR000582

SDS Link
View SDS Link

4th Coat — Dulux Avista Concrete Sealer General Purpose Semi Gloss

Coat Type
4th Coat

Datasheet
AUAV00019 Dulux Avista Concrete Sealer General Purpose Semi Gloss

Read the full Datasheet details at Dulux Avista Concrete Sealer General Purpose Semi Gloss

Components
1

Application Methods

Air Spray | Brush | Roller | Broom

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	3	6	4
Wet Film Per Coat (microns)	80	150	120
Dry Film Per Coat (microns)	40	80	60
Recoat Time **			2 hours

V.O.C. Level
689g per litre

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

Coating Application Details
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.
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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.

SDS Number	SDS Link
PAR000582	**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

Comments

If surface contains cracks, repair or filling should be undertaken, however, future movement in the concrete may cause cracks to appear that may affect adhesion and could result in chipping of the Dulux Avista Resurfacing Compound coating.

Dulux Avista Resurfacing Compound coating is a decorative coating and cracks in the concrete base may reflect through the surface.

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.

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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.