AUAV00048 Dulux Avista Resurfacing Base Compound / with Extended Wear Sealer on New Glazed roof tiles [Exterior]

Scope of Works

The Avista Resurfacing System is a decorative cement based coating, suitable for application over existing cured concrete surfaces.

Substrate and Substrate Preparation

Substrate Notes

Concrete tiles
Concrete roof tiles are made from a controlled concrete mix and cast into a roof tile shape that can resemble traditional terracotta, shingles or slate. Concrete tiles are either painted once cured, or have colour mixed through before they are cast. Glazing on concrete tiles may present challenges for coating adhesion and may require mechanical abrasion before painting.

Terracotta tiles
Terracotta roof tiles are made from clay and fired with or without a colour glaze. Unglazed terracotta tiles are highly porous and readily hold and absorb moisture, which can prevent coating adhesion. Glazing on terracotta tiles present challenges for coating adhesion, but mechanical abrasion is not viable due to the brittleness of the terracotta tile.

Substrate Preparation Notes

Check regulations

Check State Authorities for Work at Heights and Disposal Regulations.

Assess suitability
Inspect the roof for adhesion and physical condition. A previously painted roof can be resprayed, but due to the variable nature of the original coating and its adhesion, there will be no warranty. (Cross Hatch Adhesion Test should be performed). The condition of previously painted roofs will vary greatly, depending upon environmental circumstances and age of roof. Re-roofing may be required instead of restoration.

Inspect
If downpipes are connected to rainwater tanks, disconnect these before the cleaning process starts and ensure run-off complies with local regulations. Check vents in the ceiling and cover to eliminate water damage by high-pressure water cleaning. Protect adjacent property/vegetation for the entire restoration process.

Clean
High-pressure water blast roof at a minimum 4000 PSI (4500 PSI recommended) to remove dirt, excess grime, mould, lichen, moss and other contaminants. Allow to dry. Note a double High-pressure water blast may be required if the previous coating was partially removed during the cleaning process. Ensure repair / replacement tiles are also cleaned.

Repair
Ensure tiles are in good condition and adhering well, re-fix any loose or displaced tiles.
Replace any cracked, chipped or faulty tiles and ridge capping as required.
Re-bed ridge capping tiles repoint where required using Acratex Roof Pointing.
Replace any faulty valley irons as required. Ensure surface is clean, dry and defect-free before proceeding.

Mask
Mask or cover pergolas, solar panels, skylights etc. susceptible to overspray.

Additional Notes

It is recommended to perform a small test area first to ensure adhesion of the primer to the tiled surface.

Coating System Summary

• Primer	EMER Emer-Proof Non Porous Primer
• 1st Coat	Dulux Avista Resurfacing Base Compound
• 2nd Coat	Dulux Avista Resurfacing Base Compound
• 3rd Coat	Dulux Avista Concrete Sealer Extended Wear Semi Gloss
• 4th Coat	Dulux Avista Concrete Sealer Extended Wear Semi Gloss

Coating System

Primer — EMER Emer-Proof Non Porous Primer

Coat Type	Datasheet
Primer	**AUEM00008 EMER Emer-Proof Non Porous Primer**

Read the full Datasheet details at EMER Emer-Proof Non Porous Primer

Components
1

Application Methods
Brush **Roller**

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	10	12	
Recoat Time **	30 minutes		

V.O.C. Level	Meets GBCA V.O.C. Requirements?
22 Grams Per Litre	**Not Applicable**

Coating Application Details
Emer-Proof Primer Non Porous should be lightly stirred before using and can be applied to vertical, horizontal and overhead surfaces using a roller and brush.

SDS Number	SDS Link
PARGHSEN000321	**View SDS Link**

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
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 Concrete Sealer Extended Wear Semi Gloss

Coat Type	Datasheet
3rd Coat	**AUAV00001 Dulux Avista Concrete Sealer Extended Wear Semi Gloss**

Read the full Datasheet details at Dulux Avista Concrete Sealer Extended Wear 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	Meets GBCA V.O.C. Requirements?
684g/L	**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 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, steep slopes and pool surround areas.

SDS Number	SDS Link
PAR000614	**View SDS Link**

4th Coat — Dulux Avista Concrete Sealer Extended Wear Semi Gloss

Coat Type	Datasheet
4th Coat	**AUAV00001 Dulux Avista Concrete Sealer Extended Wear Semi Gloss**

Read the full Datasheet details at Dulux Avista Concrete Sealer Extended Wear 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	Meets GBCA V.O.C. Requirements?
684g/L	**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 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, steep slopes and pool surround areas.

SDS Number	SDS Link
PAR000614	**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 23°c and 50% relative humidity, these may vary under different conditions.
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.
Avista Resurfacing System is a decorative coating and cracks in the concrete base may reflect through the surface.

Disclaimer

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.