AUAV00066 Dulux Avista Resurfacing Base Compound on Painted Exposed aggregate floors [Exterior]

Scope of Works

Avista Resurfacing Base Compound over an old exposed aggregate surface.

Substrate and Substrate Preparation

Substrate Notes

Exposed aggregate refers to concrete substrates that feature decorative stone aggregates or small pebbles at least 1mm in size on the surface. The surface finish can vary widely, depending on the aggregate type and colour and method of application. One method is to add the decorative aggregate to the concrete mix and to spray a surface retarder onto the freshly laid wet concrete surface. Once the concrete has set, the surface is low pressure washed to remove the surface retarder and loose concrete to expose the decorative aggregate component. Another method is to embed the decorative aggregate into the freshly laid wet concrete surface.

"Pebblecrete" can refer either to exposed aggregate or to a polymeric render coating comprising a resin filled with decorative pebbles, which is trowelled onto the surface and levelled off. The polymeric version looks like exposed aggregate but can present serious challenges for coating adhesion.

The profile and condition of exposed aggregate on exposure can be of variable consistency resulting in loose aggregate and/or friability of the surface. It is recommended that a test area representative of the worst standard of surface degradation be prepared in accordance with any proposed coatings specification for review of technical and aesthetic performance.

Exposed aggregate finished may contain iron-bearing minerals which oxidise to form water-soluble stains resembling rust. Where such oxide staining is present, specific preparation and the use of a solvent borne coating is required to prevent bleeding of the stain through subsequent coatings.

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. Perform adhesion test as described in AS 3894.9 - Site testing of protective coatings.

Clean
Rake out expansion joints to remove deteriorated joint sealant, dirt, organic growth and other contaminants. Remove all surface contamination such as dirt, grease or oils by washing with a free-rinsing, alkaline detergent, such as Gamlen CA No. 1, in strict accordance with the manufacturer's written instructions and all safety warnings. Rinse with fresh potable water to remove all residues. A paint scraper, wire brush or stiff bristle broom may also be required to mechanically remove persistent deposits and to clean out the expansion joints. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. Repeat until the surface is clean. Allow the concrete to dry.

Repair surface imperfections
Repair all cracks, defects, holes and any other imperfections with a suitable epoxy repair mortar such as Luxafloor Filler for Luxafloor systems, or AVS epoxy Concrete Crack Repair for Avista floor systems. For any other systems please refer to your Dulux representative. Overfill the defect slightly with the epoxy repair mortar to allow for potential shrinkage. Abrade hard dried epoxy repair mortar to match the level of surrounding floor areas.
Do not fill expansion joints.
Note: Do not overcoat epoxy repair mortars with any clearcoat in areas exposed to UV; UV exposure will cause chalking of the epoxy surface and potential delamination of the coating system.

Abrade surface
Where the existing coating has passed the adhesion test, abrade surface to thoroughly de-gloss to provide a suitable surface for re-coating. Where coating has failed adhesion test, completely remove the failed coating by diamond grinding, shot blasting, scarifying or scabbling, back to sound concrete. Mechanically feather edges of the coating to remove visual ridges. Remove all dust, coating residue and abrasive grit from the surface by industrial vacuum. Pay particular attention to expansion joints.

Check moisture
Ensure that the floor is dry before coating; check the moisture content of bare concrete and ensure it is no greater than 6% using a standard moisture metre before commencing.

Coat
Apply the floor coating system in strict accordance with the technical data sheets and specification without delay before the epoxy repair mortar deteriorates or the floor becomes recontaminated.

Movement joints
After the floor coating system has fully cured, fill movement joints with an appropriate backer rod and seal with a suitable floor joint sealant, as per the manufacturer's instructions.

Coating System Summary

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

Coating System

Primer — Dulux Avista Resurfacing Primer

Coat Type	Datasheet
Primer	**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.

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 **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

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 **appox. 30 minutes, depending on ambient conditions**	Yield **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 **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.
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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
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- 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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	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.

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.

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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.