AUAV00008 Dulux Avista Internal Flooring Waterbased Epoxy Low Sheen

Introduction

Part A **Waterbased Epoxy Part A**	Part B **Waterbased Epoxy Part B**
Part A **FD400502-5L**	Part B **FD400503-5L**

Product Overview and Image

Dulux Avista Waterbased Epoxy is a durable 2 pack coloured epoxy coating for concrete floors. It can be used as a stand alone product on internal surfaces, as part of the flake flooring system for internal or external surfaces or externally with a suitable UV stable topcoat.



Features and Benefits

- Durable coloured epoxy coating for concrete floors
- Low sheen finish
- Tintable to a large range of colours
- Low odour
- Water wash up
- Quick drying
- Easy to use
- Can be applied with multiple different techniques for a range of decorative finishes
- Anti-slip options available

Uses

Dulux Avista Waterbased Epoxy is a coloured floor coating for use on internal concrete floors. It can also be used externally when properly overcoated with a UV stable topcoat. Dulux Avista Waterbased Epoxy has multiple application techniques and can be used to create the following decorative finishes:

- Stipple Stone
- Sand Spray Finish
- Natural Stone Look Flake
- Decorative Flake
- Terrazzo Finish Flake
- Marble Finish

Internal uses include: Garage Floors, Shops, Warehouses, Kitchens and Laundries, Toilet Blocks, Offices, Schools and Showrooms. Can be applied over existing tiles with use of a primer.

External uses include: Driveways, Patios, Pathways, Entertainment Areas, Pool Surrounds, Verandas and Balconies.

Dulux Avista Waterbased Epoxy has a number of finishes suitable to the required slip rating.

Typical Properties

Components **2**	Mixing Ratio **1:1**
Pot Life **2 hours**	
Yield **10L**	V.O.C. Content **<25 grams per litre**

Clean Up

Water

Sizes

10L

Meets GBCA V.O.C. Requirements?

Yes

Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.

Application Methods

Airless Spray **Brush** **Roller** **Hopper Gun**

Specifications

Solids by Volume: **35**

	Min	Max	Recommended
Wet Film Per Coat (microns)	100	167	125
Dry Film Per Coat (microns)	35	58	44
Theoretical Spread Rate (m²/L)	10	6	8

Drying Time

	Min	Max	Recommended
Touch Dry (min)	120	239	
Recoat Time (min/hours)	4 hours	72 hours	

Comments: **Full cure 7 days**

Product Properties

UV Resistance **Epoxy coatings may yellow and chalk with UV exposure**	Water **Little or no effect**
Sulphuric Acid **Little or no effect**	
Petrol (Regular Unleaded) **Little or no effect**	
Acetic Acid **Little or no effect**	
Vegetable Oil **Little or no effect**	
Antifreeze **Little or no effect**	

Maintenances

Surface should be cleaned regularly, removing mud, dirt & gravel by sweeping and/or pressure cleaning.
Remove oil, grease and other chemicals contaminants immediately.
Remove excess leaf & organic matter to avoid staining.
Avoid driving on surface with rocks in tyres.
Surface should be inspected for recoating after 3 years.

Application Guide

Surface Preparation

New cured and aged uncoated concrete
Ensure concrete is sufficiently cured (recommended minimum 14 days).
Concrete is to be clean and free of grease, oil, paint or any curing agent. Stiff broom and general purpose cleaner recommended. Any oil stains should be treated & cleaned with an industrial degreaser.
Pressure clean surface at minimum 2000 psi and allow to dry.
Acid etch with hydrochloric acid. Dilute approximately 20 parts water to 1 part acid (depending on porosity) to remove any loosely bound cement and laitance.
Note: smooth concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid.
Apply diluted acid to a damp surface using a large head watering can, applying in a criss cross motion (approximately 5-10m² sections). Acid will start to fizz on the surface once it starts to react with the laitance in the concrete. Pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on surface). Pressure clean at minimum 2000 psi.

If surface is uneven or in poor condition, grinding may be required.

Previously coated concrete
Surfaces with an existing coating must be assessed for suitability before overcoating. If the surface shows any signs of delamination or contamination, it must be removed by grinding.
If the surface is found to be be in sound condition, ensure it is clean and free of grease and oil. Stiff broom and general purpose cleaner recommended. Any oil stains should be treated & cleaned with an industrial degreaser.
Pressure clean at minimum 2000 psi to clean and remove all contaminants.
Once dry, surface must be abraded using 80-100 grit sand paper to ensure physical key.
Vacuum surface & mop with damp cloth to remove all dust before overcoating.
Removal of previous coatings by grinding is always preferred. Overcoating of previous surfaces is undertaken at applicators own risk.

Note: If grinding is required, surface must be assessed once grinding has been completed to ensure the concrete has not become powdery or dusty, as this can cause delamination. If surface has become powdery, a hardener densifier may be required.

Glazed Tiles (Non-Porous)
Ensure surface is clean & free of grease, oil, dust & other contaminants. Clean by mopping with suitable floor cleaner or degreaser if required, and allow surface to dry.
Once dry, apply 1 x coat of Emer Proof Non Porous Primer to the surface & allow to dry.

Application Procedure and Equipment

Tinting
Dulux Avista Waterbased Epoxy can be tinted before use.
Dulux Avista Waterbased Epoxy is not a clear.

Option 1: In-Store Tint
Tinted in store at time of purchase. Can be tinted to one of the 6 Dulux Avista colours or any Vivid White based Dulux colour. Part A only to be tinted to a 5L formula.
Note: In-store tinting may not be available at all Dulux Avista stockists.

Option 2: Dulux Avista Waterbsed Colour Tint - Available in 7 colours.
Add 1-2 x 400ml Dulux Avista Waterbased Colour Tint per 10 Lt kit (40ml-80ml per litre of mixed epoxy).
Note: 2 x 400ml Avista Waterbased Colour Tint per 10 Lt kit recommended for BLACK tint.
Do not exceed 2 x 400ml of tints per 10L kit.

Mixing
Mix Parts A and B in correct proportions (1:1 by volume) in a clean, dry 20L bucket. Mix thoroughly for a minimum of 1 minute with a mechanical mixer at low speed until mix colour is uniform.

Roller Application
Apply to surface using a good quality 10mm-22mm roller & tray. Ensure products is applied evenly and not too thick.
For best results, apply first coat to a damp concrete surface. Alternatively, first coat can be diluted up to 10% with water (when applied directly to concrete only).
Allow minimum of 3 hours between coats. Additional coats can be applied as soon as surface is tack free & able to be walked on.
Note: Recoat times will vary drastically depending on ambient conditions.
All additional coats to be applied undiluted. Minimum of 2 coats required. Lighter colours may require additional coats for full colour coverage.
For increased slip resistance, Dulux Avista Slip Reducing Crushed Glass or Dulux Avista Slip Reducing Additive Powder can be used with this product. Refer to the relevant product TDS for application instructions.

Hopper Gun Application
Pour properly mixed epoxy into Hopper Gun. Spray epoxy onto surface at approx. 25-35psi. Apply 1-2 coats to ensure even coverage.
For non slip option, fine silica sand can be combined with epoxy at a ratio of 500gm to 1kg per litre of mixed epoxy & sprayed onto surface.
Clean, washed, fine silica sand must be used.

Clear Topcoats (optional)
For additional protection, Dulux Avista Waterbased Epoxy can be overcoated with the following products:
- Dulux Avista 2 Pack Urethane
- Dulux Avista Polyaspartic Sealer
- Dulux Avista Polyurethane Sealer

Note: If being used externally, Dulux Avista Waterbased Epoxy **MUST** be overcoated to prevent damage from high UV exposure.

Health and Safety

SDS Number **DLX004647**	SDS Link **View SDS Link**
SDS Number **DLX004653**	SDS Link **View SDS Link**

Using Safety Precautions
Ensure appropriate PPE is worn.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Precautions and Limitations

Application temperature 10°C - 35°C.
Not suitable as a waterproofing membrane.
Can be damaged with direct sunlight without UV stable topcoat.
After applying it is recommended that the sealed surface be protected from:
Rain/water/sprinkler systems for minimum 6 hours
Foot traffic for a minimum of 24 hours*
Vehicle traffic for a minimum of 5 days*
*Actual time may vary depending weather conditions and coating thickness.

Transport and Storage	
Line Shade /Pack A **Waterbased Epoxy Part A**	
Size: **5L**	Weight: **6.68kg**
Pack B **Waterbased Epoxy Part B**	
Size: **5L**	Weight: **5.18kg**

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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.