AUAV00024 Dulux Avista Polyaspartic Two Pack High Gloss

Introduction

Part A	Part B
FD278058-10L Polyaspartic Sealer Part A	**FD278059-10L Polyaspartic Sealer Part B**

Product Overview and Image

Dulux Avista Polyaspartic is a two component, high performance, solvent-free polyaspartic high gloss clear coating.

Features and Benefits

- Fast cure
- Low VOC
- Abrasion resistant
- UV resistant
- Chemical resistance
- Solvent free
- Convenient 1:1 mix ratio (by volume)

Uses

UV and abrasion resistant clear coat for epoxy floor coatings and Dulux Avista Flake Flooring or as a stand alone coating over suitably prepared concrete surfaces.

Used in the food and chemical industry, hospitals, schools, kitchens and other high traffic applications and where a fast return to service floor coating is required.

Typical Properties	
Components **2**	Mixing Ratio **1:1 (by volume)**
Shelf Life **1 year**	Pot Life **40 minutes* (after mixing) @ 20 - 25°C**
V.O.C. Content **20g / litre**	
Clean Up **Thinner**	
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 **Brush** **Roller** **Floor Squeegee** Flooring squeegee	

Specifications	Solids by Volume		
	100		
	Min	Max	Recommended
Wet Film Per Coat (microns)	80	200	
Dry Film Per Coat (microns)	80	200	
Theoretical Spread Rate (m²/L)	12.5	5	

Application Guide

Surface Preparation

New concrete floors should be allowed to cure for a minimum 28 days. It is essential that Dulux Avista Polyaspartic is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the sealer and substrate. Remove all oil, grease and loose particles.
If the floor is smooth, grinding is advised. This will maximise adhesion.
If curing agent has been applied, grinding is necessary.
Acid treatment is a secondary option. Acid etch with Dulux Avista Hydrochloric acid. Dilute approx 20 parts water to 1 part acid (depending on porosity) to remove any loosely bound cement and laitence.

Note: smooth concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid. 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 (large open areas, example factories and warehouses, required for this preparation). Allow to completely dry, refer to dry test.

Dry Test
Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry.

Application Procedure and Equipment

Mixing
Stir the Dulux Avista Polyaspartic Part B prior to using. Combine equal parts by volume of Dulux Avista Polyaspartic Part A and Part B and mix thoroughly in an independent container using a low speed heavy duty cordless drill and suitable spiral mixer for 1 to 1½ minutes. Mix only enough product (typically 5 - 10 litres. For Resurfacing Dilute to 10 - 20% of Dulux Avista solvent to help with penetration and aid with application. This can be applied within the working life, depending on the labour available).

Important: Once mixed the product should be poured out in ribbons onto the floor and spread out immediately using a roller or squeegee. Holding the product in the original mixing can will lead to an exothermic reaction which will significantly reduce the working life of the material

Application
1st Coat
Following the required preparation, apply Dulux Avista Polyaspartic using 230mm or 270mm unifibre roller sleeves. Note: a squeegee may be used prior to rolling to help spread material. During the application the roller sleeves may need to be changed if they become too tacky. After spreading out the material it is important to back roll the floor. Back rolling is done to ensure even application and will help with breaking any bubbles that may have formed from pinholes. On average a roller cover will do 45-60m² before a replacement is required.
2nd Coat (optional)
After the first coat has become tack-free the second coat can be applied. This will be after approximately 1 hour but no longer than 18 hours after application of the first coat.
At temperatures of 20 - 30°C foot traffic may be permitted after 1 to 2 hours, and light vehicular traffic after 24 hours; however, in cold weather a longer period before use may be required.
If recoating after 18 hours, the surface will require a light abrade using a 100 grit sandpaper and a solvent wipe to ensure the surface is clean for better adhesion.

Overcoating Epoxy and Flake Flooring
Dulux Avista Polyaspartic can be applied over Dulux Avista epoxy and flake flooring systems. Overcoating with Dulux Avista Polyaspartic should occur within 48 hours of the application of the base epoxy coating. Refer to Dulux Avista Decorative Flakes or Natural Stone Look Flakes Technical Data Sheet (TDS) for detailed flake application process.

Health and Safety

SDS Number	SDS Link
	View SDS Link

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

Precautions and Limitations

Contact Dulux Avista if there is any doubt as to whether a proposed application may involve extraordinary conditions which could include:
Porous or poor quality concrete causing excessive use and absorbency of the product
Unusually cold condition during curing (<10°C)
Elevated temperatures of service (>100°C)
Severe, or unusual, chemical attack

Dulux Avista Polyaspartic is UV resistant but applying the clear coating over non-UV resistant coatings such as epoxies will not stop the epoxy from fading/discolouring under the clear coating.

Dulux Avista Polyaspartic should not be applied on to surfaces known to suffer from rising damp or having a moisture content reading greater than 4%.

Dulux Avista Polyaspartic should be applied only when the substrate temperature and the ambient temperature is between 10°C and 30°C.

Disclaimer

Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Data Sheet 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 Data Sheet, 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 Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.duspecplus.com.au. Climatic conditions at application time can affect product suitability and 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 Data Sheet 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.