AUAV00081 Dulux Avista Internal Flooring High Solids Epoxy Two Pack Clear

Introduction

Part A	Part B
FD478086-6L	**FD478088-4L**

Product Overview and Image

A high quality 2 Pack epoxy floor coating system that is solvent free when used as a clear un-pigmented coating or binder.
It consists of a Part A Resin and Part B Hardener.



Product Category
Internal Flooring

Features and Benefits

- High solids epoxy that can be used for self-levelling
- Solvent free when used as a clear un-pigmented coating or binder.
- Outstanding water resistance
- Resistant to most chemicals
- Can be used to create a wide range of decorative finishes, including full flake flooring & marble epoxy finish

Uses

A Heavy Duty Clear Coating used for creating specialty decorative effects in the Dulux Avista range.
Finishes include marble epoxy finish & as a base coat for full flake flooring (not recommended for terrazzo look flake).
Self-levelling when applied at a minimum thickness of 2mm.
For interior use only.

Typical Properties

Components **2**	Mixing Ratio **Part A to Part B mix at 6 parts to 4 parts by volume**
Shelf Life **3 Years in original unopened containers in a dry area at between 5 and 35C**	Pot Life **25 minutes at 25C. If product is warm then the pot life will be shorter**
Yield **10 Litres per kit**	V.O.C. Content **<50 grams per litre - untinted**

Clean Up

Use Dulux Avista Solvent

Sizes

Part A 6 Litres Part B 4 Litres

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** **Trowel**

Specifications

Solids by Volume: 95

	Min	Max	Recommended
Wet Film Per Coat (microns)	250	4000	2000
Dry Film Per Coat (microns)	250	4000	2000
Theoretical Spread Rate (m²/L)	0.25	4	0.5

Drying Time

	Min	Max	Recommended
Touch Dry (min)	480	600	480
Recoat Time (min/hours)	12 hours		12 hours

Comments: **Cure time is approximately 12 hours @ 20°C and 65% R.H.**
Full cure 7 days

Typical Property Notes

PROPERTIES

Viscosity of Mixed Product at 25C	**Low (<1000cps)**
Gel Time at 20C and 65% RH	**25-35 minutes**
Dust Free Time at 20C and 65% RH	**8 Hours**
Cure Time at 20C and 65% RH	**Approximately 12 hours**

Product Properties	
Conditions **Surface Staining may occur with exposure to some chemicals. It is important to clean up and remove any surface contaminants and wash the area as soon as possible after they are detected. This constitutes Good Housekeeping Practice.**	
UV Resistance **Interior Use only. Product Yellows in UV light**	Water **Unaffected by water exposure**
Sodium Hydroxide (Alkali) **Slight staining may occur with Sodium Hydroxide at 30% concentration**	Sulphuric Acid **Slight staining may occur with Sulphuric Acid at 30% concentration**
Petrol (Regular Unleaded) **Unaffected**	
Engine Oil **Unaffected**	Brake Fluid (Dot 3) **Staining may occur - Remove Brake Fluid Spills as soon as they are detected**
Distillate **Unaffected**	Methylated Spirits **Unaffected**
Kerosene **Unaffected**	Toluene **Staining may occur - Remove Toluene Spills as soon as they are detected**
Sodium Chloride (Salt) **Unaffected**	Acetic Acid **Acetic Acid 5% - Staining may occur - Remove spills as soon as they are detected**
Hydrochloric Acid **Hydrochloric Acid 30% - Staining may occur - Remove Hydrochloric acid spills as soon as they are detected.**	LaticAcid **Lactic Acid 5% Staining may occur - Remove Lactic acid spills as soon as they are detected.**
Ammonia **Ammonia 20% Staining may occur - Remove Ammonia spills as soon as they are detected.**	Vegetable Oil **Staining may occur - Remove Vegetable Oil spills as soon as they are detected.**

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.

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 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 60-80 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.

Application Procedure and Equipment

Mixing
Mix Dulux Avista Internal Flooring High Solids Epoxy Part A and Part B in correct proportions in a clean bucket.
Mix thoroughly for approximately 60 seconds with mechanical mixer at low speed.
Note: Recommended to transfer to a second bucket & mix for a further 60 seconds.
If mixing smaller portions mix at a rate of 680 grams Part A (1000ml) to 405 grams Part B (650ml).
CAUTION: After mixing Part A & Part B. DO NOT re-lid mixed parts as the system reaction results in an exothermic reaction.

Tinting (recommended for full flake system only)
Add 1 x Dulux Avista Sealer Tint 1L per 10L of High Solids Epoxy.
Pour tint at correct ratio to already mixed epoxy. Mix with mechanical mixer until colour is even.

Flake Floor Base Coat Application
Apply to surface with a medium nap roller, squeegee or trowel.
It is recommended to apply to surface as quickly as possible, due to low pot life.
If applying by roller, it is recommended to use multiple trays to ensure product isn't sitting in mixed can. Large quantities of mixed epoxy will result in an exothermic reaction that will shorten pot life considerably
Ensure coats are applied evenly.
Apply flakes while coating is still wet, using spiked shoes. Allowing product to dry will inhibit flakes from bonding.
Allow to dry for approximately 10-12 hours before sweeping, sanding & vacuuming & applying recommended clear topcoat.
Note: Dulux Avista Waterbased Epoxy can be used as a primer coat to seal floor & improve spread rate.

Self Levelling Application (Clear Only)
Pour mixed epoxy to surface & spread using squeegee or trowel.
Product should be applied at a minimum thickness of 2mm to achieve a perfectly smooth finish.
Allow to dry for approximately 10-12 hours before applying a recommended clear topcoat.

Health and Safety

SDS Number **PARGHSEN000333**	SDS Link **View SDS Link**
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Using Safety Precautions
Recommended PPE:
- Organic vapour respirator mask
- Solvent resistant gloves
- Safety eye wear
- Appropriate foot wear

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

Precautions and Limitations

SUITABLE FOR INTERIOR USE ONLY
Discolours after exposure to UV in Sunlight
Prone to scratching. Recommended to be overcoated with Dulux Avista Two Pack Urethane or Dulux Avista Polyaspartic Sealer
Not Recommended to apply below 10C or above 35C
Ensure that the surface to be coated is dry. Moisture can cause blooming and delamination.
Short Pot Life of approximately 25 minutes at 25C
Not recommended to be used as a stand alone roll coat finish.

Transport and Storage

Line Shade /Pack A **FD478086-6L**	Shipment Name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)**
Size: **6 Litre**	Weight: **7.50kg**
Pack B **FD478088-4L**	Shipment Name **AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONE DIAMINE)**
Size: **4 Litre**	Weight: **4.15kg**

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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.