AUAV00010 Dulux Avista Internal Flooring Polyurethane Sealer Gloss

Introduction

Product Code
FD478093-10L, FD478093-20L

Product Overview and Image

Avista Polyurethane Sealer is a moisture cured single pack clear gloss polyurethane which will provide a hard wearing non yellowing coating for internal concrete surfaces

Features and Benefits

- Moisture cured single pack polyurethane
- Extremely durable and hard wearing
- Gloss finish
- Non yellowing
- Anti graffiti capabilities
- Ideal for high traffic areas

Uses

Avista Polyurethane Sealer can be used on internal concrete and polished concrete flooring and benchtops and flake and polymer floors. It is ideal for high traffic areas.
Caution: this product is not recommended for use in wet areas as the surface may become slippery when wet.

Typical Properties

Components
1

V.O.C. Content
562

Clean Up

Thinner

Avista solvent

Application Methods

Airless Spray **Brush** **Roller**

Specifications

	Min	Max	Recommended
Wet Film Per Coat (microns)	100	333	217
Dry Film Per Coat (microns)	40	133	87
Theoretical Spread Rate (m²/L)	3	10	

Drying Time

	Min	Max	Recommended
Recoat Time (min/hours)	480	1080	

Typical Property Notes
Resin type: Single pack industrial grade self curing system.
Coverage rate: Approx. 3 - 10m² per litre dependent on porosity of surface.
S.G: 0.98 (9.8 kg / 10 litre)
NICO: 2.8 – 3.1

Application Guide

Surface Preparation

Preparation for external application

Ensure concrete is sufficiently cured (recommended minimum 14 days).

Concrete is to be clean and free of grease, oil, stiff broom and general purpose cleaner recommended.

Paint, curing agents and acrylic sealers must be removed by either stripping or grinding.

The surface should be dry, containing no solvent or moisture as once Avista Polyurethane Sealer is dry it can trap moisture or solvent underneath which could cause the sealer to lift.

For epoxy coatings, surface must be abraided and solvent wiped before sealing.

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 laitence.

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 laitence in the concrete.

Pressure clean immediately to clean and remove allremnants of acid (do not allow acid to dry on surface).

Pressure clean at minimum 2000 psi.

Allow surface to dry before sealing (sealing over damp concrete will cause whitening). 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 for sealing.

Preparation for internal application

Ensure concrete is sufficiently cured (14 - 30 days depending on conditions).

Concrete is to be clean and free of grease, oil, stiff broom and general purpose cleaner recommended.

Paint, curing agents and acrylic sealers must be removed by either stripping or grinding.

The surface should be dry, containing no solvent or moisture as once Avista Polyurethane Sealer is dry it can trap moisture or solvent underneath which could cause the sealer to lift.

For epoxy coatings, surface must be abraided and solvent wiped before sealing.

Preparation for Flake Flooring

Ensure all loose/excess flake has been scrapped, broomed, vacuumed and completely removed before sealing.

Application Procedure and Equipment

Application 1st Coat

Do not apply to concrete if it has a patchy appearance.
For non porous surfaces the first coat must be diluted to penetrate into the substrate and provide better wetting.
Dilution can be up to 50/50 with Avista Solvent.
If there are some doubts about application and appearance, test a small area first.
Diluted sealer must be used immediately. Do not store or return to original sealer.
Decant the quantity of Avista Polyurethane Sealer required for immediate use only. The original container should be re-sealed immediately against moisture.
Apply Avista Polyurethane Sealer by either a suitable paint brush, and 12 to 20 ml nap roller or airless spray. For spray application, 10% Avista Solvent should be added.

Application 2nd Coat

Second coat should be applied within 6 -18 hours dependent on conditions prevailing. If too much time is allowed for cure, adhesion can be difficult to obtain on subsequent coats.
If too much time has elapsed then the first coat will have to be abraided and solvent wiped to provide extra key before the second or third coats are applied. A slip resistant additive may be added to the final coat, particularly if the area gets wet.
When surface is thoroughly dry, a very light mist of water over the Avista Polyurethane will accelerate cure. Recommended pump action sprayer or small spray bottle.

Health and Safety

SDS Number	SDS Link
PAR000336	**View SDS Link**

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

Precautions and Limitations

Needs moisture to cure hard.
Low humidity inhibits cure.
Cannot be applied over solvent based acrylic sealers.
Not tintable with any colour tints
The surface should not have foot traffic for at least 48 hours or vehicle traffic for at least 3 days.

Transport and Storage

Size:	Weight:
10L, 20L	**10.1kg, 20kg**