

Dulux Avista Polyurethane Sealer

****RECOMMENDED FOR PROFESSIONAL USE ONLY****

Single pack, high performance, moisture curing polyurethane concrete sealer.

Description

Avista Polyurethane Sealer is a clear, high gloss, high abrasion resistant, high build coating, formulated for both interior and exterior application.

Uses

High performance finish for the Avista Flake Flooring system, concrete surfaces, polished concrete and polished concrete bench tops. Ideal for high traffic areas.

Advantages

- Single pack system.
- High gloss finish when dry.
- Cures quickly.
- UV stable.
- More scratch resistant than acrylic sealers.
- Certain anti graffiti capabilities.
- Tyre marks easier to remove.
- Longer life span than acrylic sealers.

Properties

| | |
|----------------|--|
| Colour: | Straw coloured (dries clear) |
| Resin Type: | Single pack industrial grade self curing system. |
| Coverage Rate: | Approx. 3 - 10m ² per litre dependent on porosity of surface. |
| Re-Coat Time: | 8 - 18 hours, depending on conditions prevailing. |
| S.G: | 0.98 (9.8 kg / 10 litre) |
| NCO: | 2.8 - 3.1 |
| VOC Content: | 562 gms per litre |

Application Instructions

Preparation for external 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.

- 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 scapped, broomed, vacuumed and completely removed before sealing.
- For detailed information regarding Flake Flooring, refer to the Avista Flake Flooring TDS.

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.

Dulux Avista Polyurethane Sealer

- 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, 100% mohair 4mm pile nap roller or airless spray. For spray application, 10% Avista Solvent should be added.

Application 2nd Coat

- Second coat should be applied within 8 -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 abraded 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. Refer to the Avista Slip Reducing Additive TDS.
- 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.

Curing Time

After sealing it is recommended that the sealed surface be protected from:

- Rain/water/sprinkler systems for minimum 6 hours
- Foot traffic for a minimum of 48 hours
- Vehicle traffic for a minimum of 72 hours

The time depends on weather conditions and coating thickness, therefore, check suitability before allowing traffic.

Limitations

- Needs moisture to cure hard.
- Low humidity inhibits cure.
- Cannot be applied over solvent based acrylic sealers.
- NOT tintable with any colour tints

Coverage

1 x 20 litre drum covers approximately 60 to 200m² per coat depending on the porosity of the surface.

Storage

Parchem recommends storage in a cool, well ventilated space away from heat sources. Keep tightly lidded. Keep away from reducing agents and strong oxidising agents. Take precautions against static electricity discharges.

Cleaning

Clean up with solvent.

Safety

Recommended PPE:

- Organic vapour respirator mask
- Solvent resistant gloves
- Safety eye wear
- Appropriate foot wear

Supply

FD478093-20L AVS SEALER POLYURETHANE 20L

FD478093-10L AVS SEALER POLYURETHANE 10L

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Dulux Avista website www.duluxavista.com.au. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In an emergency, contact any Poisons Information Centre (Telephone 131 126 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Dulux Avista does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

