Avista 2 Pack Urethane

Technical Data Sheet

High gloss, clear, 2 part concrete sealer

Description

Avista 2 Pack Urethane is a clear two pack sealer with good wear and chemical resistance.

Uses

As a high gloss clear sealer over stamped and stencil concrete, resurfacing systems, coloured and plain concrete and exposed aggregate, flake flooring and can be applied to most concrete surfaces including polished or ground concrete/ polished concrete bench tops.

Advantages

- UV resistant & non yellowing
- Very good solvent and chemical resistance
- Long pot life
- Can be tinted with Avista Concrete Sealer Colour Tint

Properties

Coverage rate:	Approx. 3 - 10m² per coat dependent on porosity of surface.
Solids:	39+- 2% w/w
Specific Gravity:	0.99 (mixed A + B)
Tack free time @ 25°C:	30 min - 2 hours (depending on conditions)
Pot Life @ 25°C:	Approx 6 hours
Film properties after mixing A + B and cured 7 days	Appearance clear Flexibility semi rigid
Weathering Resistance:	Excellent- non yellowing

Application Instructions

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.
- 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.
- 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.
- Allow surface to dry and ensure is dust and dirt free before sealing (sealing over damp concrete will cause whitening). Refer to Dry Test.
- NOTE: When surface needs to be resealed, a physical abrasion will be required.

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 (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 2 Pack Urethane is dry it can trap moisture or solvent underneath which could cause the sealer to lift.
- For epoxy coatings, surface must be abraded and solvent wiped before sealing.

Preparation for Flake Flooring

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

Mixing Instructions

- Mix 8.75L Part A and 1.25L Part B to make 10L kit.
- Mix product with a paint stirrer for minimum 3 minutes.

Application 1st Coat

- For non porous surfaces the first coat must be diluted to penetrate into the substrate and provide better wetting. Dilution can be up to 20% with Avista Solvent.
- Diluted sealer must be used immediately. Do not store or return to original sealer.
- If there are some doubts about application and appearance, test a small area first.
- Apply Avista 2 Pack Urethane by either a suitable paint brush, 100% mohair 4mm pile nap roller or airless spray. For spray application, 10% Avista Solvent should be added.

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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 abraded and solvent wiped to provide extra key before the second or third coats are applied.
- Avista Slip Reducing Additive may be added to the final coat, particularly if the area gets wet. Refer to Slip Resistant Additive TDS.

Tinting

If tinting is required, add 1L of Avista Concrete Sealer Colour Tint per 10L kit.
Add the tint after the Parts A and B have been mixed together and then mix for another 2 minutes.

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

- Cannot be applied over solvent based acrylic sealers.
- Surface must be abraded for second coat if over 18 hours between coats.
- When surface requires resealing, the surface will be need to be abraded before sealing.

Supply

FD200555-8.75L AVS 2 PACK URETHANE PART A 8.75L

FD200556-1.25L AVS 2 PACK URETHANE PART B 1.25L

Coverage

1 x 10 litre kit covers approximately 30 to 100m^2 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.

Shelf Life

3 years in unopened container stored as recommended. After this time product should be checked to ensure suitability for use.

Cleaning

Clean up with Avista Solvent.

Safety

Recommended PPE:

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

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 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. Parchem 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.

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