

Clear semi gloss general purpose concrete protective sealer

Description

Avista General Purpose Concrete Sealer is a solvent based clear coating that seals and helps protect the substrate from ingress of dirt and grime. It also helps protect the substrate from weathering.

Uses

Avista General Purpose Concrete Sealer can be used on most exterior concrete surfaces including stamped, stencilled, resurfaced, plain and coloured concrete. It is not suitable for internal concrete floors.

NOTE: Sealers should not be used on steep or smooth concrete surfaces as it may cause the surface to become slippery, particularly when wet.

Advantages

- Enhances the natural colour of the surface
- Good marking resistance
- Easy to apply

Properties

Solids (PBW):	24% ± 1%
UV Light:	Very good resistance
Thinning:	Solvent
Recommended Film Build:	Approx. 40- 80 microns dry per coat
Coverage Rate:	Approx. 3-6 m ² per ltr per coat
VOC Content:	700 gms per litre
50 micron dry film cured for 28 days at 25°C before testing with 1 hour soak	
Alkali (1% Caustic Soda):	No visual effect
Mineral Turpentine:	Slight softening (rearden 8 hours)
Petrol Regular Unleaded:	Very slight softening (rearden 1 hour)
Methylated spirits:	Causes white discolouration (easily removed with solvent)
Chlorine (Sodium Hydrochloric) 5%:	No visual effect
Salt (Sodium Chloride):	No visual effect
Brake fluid:	Softening and slight dulling - immediately clean with detergent and then solvent

Application Instructions for New Cured and Old Concrete (unsealed)

Preparation

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.
- Pressure clean surface at minimum 2000 psi and allow to dry.
- Acid etch with 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.
- 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 all remnants 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.

Application Process

Do not apply to concrete if it has a patchy appearance.

Ensure primer and sealer are not applied too thickly and no pooling occurs.

Primer

- Prime coat the surface first with Avista Sealer Primer with a roller, broom or spray and leave to dry for a minimum of 2 hours.

NOTE: For new resurfaced concrete, Avista Sealer Primer is not required. Apply 2 coats of Avista General Purpose Sealer to resurfaced area.

Sealing

- Pour Avista General Purpose Sealer into a roller tray and roll evenly onto the surface using a good quality roller. Allow to dry a minimum of 2 hours before applying a second coat of sealer.
- To obtain a lower slip factor it is advisable to use the appropriate Slip Reducing Additive with the sealer for better grip under adverse conditions e.g. wet areas, steep slopes and pool surround areas. See Avista Slip Reducing Additive TDS for details.

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Application Instructions for Sealed Concrete

Testing

A cross hatch test is required if the surface has been sealed more than 2 years ago to ascertain whether existing sealer is suitable to be resealed over.

1. Use a sharp blade to create a light “cross-hatch” incision through the sealer.
2. Place a piece of self adhesive tape (suggest clear packing tape) over the incision.
3. Press firmly for maximum adhesion and remove sharply. Repeat with fresh tape several times.

If sealer is present on the tape, it is advised the sealer be completely stripped from surface. Seek professional contractors should stripping be required.

If there is no sign of sealer adhering to the tape or delaminating from the surface, this would indicate that the bond of the existing sealer is sufficient for resealing.

IMPORTANT NOTE: if current sealer shows signs of whitening or blooming, regardless of cross hatch test results, sealer may need to be stripped completely from the surface. Whitening may reoccur if new coat of sealer is applied over this problem.

Cleaning

- Concrete is to be clean and free of grease and oil. Stiff broom and general purpose cleaner recommended.
- Pressure clean at minimum 2000 psi to clean and remove all contaminants. Allow surface to dry before resealing (sealing over damp concrete will cause whitening). Refer to Dry Test.

Solvent Treatment

If the existing sealer on the surface is more than 2 years old, Solvent is required to reactivate the existing sealer. This will help with the adhesion of the new sealer coat.

- Apply Avista Solvent to the area being resealed using a roller and roller tray.
- NOTE: If resealing a resurfaced area, DO NOT apply too much Solvent as it may soften the resurfacing product.
- Complete solvent treatment of entire surface.
- Allow area to dry enough to walk on before proceeding to the next stage.

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Primer

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Sealing

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Drying time

Minimum of 2 hours between coats when applied at 25°C and above at 50% relative humidity. Recoat times will be longer in cooler weather (<25°C) or higher humidity. Do not apply sealer at temperatures below 8°C or above 35°C.

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 24 hours
- Vehicle traffic for a minimum of 5 days in warmer weather (>25°C) and 7 days in cooler weather (<25°C).

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

Dry Test

- Place a piece of plastic over a small area, tape the edges and leave for 10 minutes.
- Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry for sealing.

Maintenance

Remove oil, grease and other contaminants immediately with a general purpose cleaner. Note: Surface will need to be re-sealed at 18 - 24 months.

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Limitations

- Do not seal in high winds or if rain is likely.
- Do not apply over painted surfaces. Paint removal required.
- Application of sealer can lower slip resistance (slip reducing additives available).
- Not for food preparation areas.
- Not a waterproofing membrane.
- Do not use Sealer at temperatures below 8°C or above 35°C

Supply

178002/FD278004-4L	AVS GENERAL PURPOSE 4L
178003/FD278004-20L	AVS GENERAL PURPOSE 20L
178004/FD278004-200L	AVS GENERAL PURPOSE 200L

Coverage

1 x 20 litre drum covers approximately 60 to 100m² per coat depending on the porosity of the concrete.

Shelf life

24 months if kept in unopened container and stored in cool, dry conditions. After this time, product should be checked to ensure its suitability for use.

Storage Conditions

Store in cool, dry area in unopened container. Highly flammable liquid, store appropriately. Refer to SDS.

Cleaning

Clean up with 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 Avista website or www.avista.com.au. 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.