

Dulux Avista Concrete Sealer Exposed Aggregate

Durable, protective, clear concrete sealer

Description

Dulux Avista Concrete Sealer Exposed Aggregate is a solvent based clear coating for exposed aggregate surfaces, that helps protect the substrate from weather and ingress of dirt and grime.

Uses

Dulux Avista Concrete Sealer Exposed Aggregate can be used on both old and newly laid exposed aggregate surfaces. This product is solvent based with high VOC, resulting in fumes during and after application. Please refer to **Safety** section.

IMPORTANT: As this product is specifically designed for exposed aggregate surfaces, it should not be used on other types of concrete surfaces.

Advantages

- Protects and enhances exposed aggregate concrete
- Specially designed for exposed aggregate
- Easy to apply

Properties

Solids (PBW)	20% ± 1%
UV Light	Very good resistance
Thinning	Not required
Recommended Film Build	Approx. 40-65 microns dry per coat
Coverage Rate	Approx. 3-5m ² per litre per coat
VOC Content	724 grams per litre
50 micron dry film cured for 28 days at 25°C before testing with 1 hour soak	
Petrol (Regular unleaded)	Softening and dulling of surface – immediately clean with detergent and when dry treat with Dulux Avista Solvent
Distillate	No visual effect
Engine Oil	No visual effect
Used Engine Oil	No visual effect
Brake fluid (DOT 3)	Softening and slight dulling – immediately clean with detergent and when dry treat with Dulux Avista Solvent
Water	No visual effect
Alkali (10% Sodium Hydroxide)	No visual effect
Acid (10% Sulphuric Acid)	No visual effect
Chlorine as Sodium Hypochlorite 5% (Pool Chlorine)	No Visual effect
Methylated Spirits	Softening with white discolouration (allow to dry and treat with Dulux Avista Solvent)
Salt (Sodium Chloride)	No visual effect

Application Instructions for Freshly Laid Exposed Aggregate

Preparation

- The surface must be sufficiently dry and firm enough to walk on without marking and there must not be any free water present.
- If the surface is more than 5 days old, a light acid wash and pressure clean are required prior to sealing.
- Acid etch with hydrochloric acid. Dilute 20 parts water to 1 part Dulux Avista Hydrochloric Acid (depending on porosity) to remove any loosely bound cement and laitance.
- Wet down the area to be treated with water. Leave until there is no standing water then proceed.
- Apply diluted acid to the 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.
- Wash down with water then pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on the surface). Pressure clean at minimum 2000 psi.
- Ensure surface is dry before sealing using a moisture meter (sealing over damp concrete will cause whitening in the coating). The moisture content must be below 10% prior to sealer application. If no moisture meter is available refer to Dry Test.

Sealing

- Stir Dulux Avista Concrete Sealer Exposed Aggregate well before pouring into a roller tray.
- Roll evenly onto the surface using a good quality long nap roller (20mm).
- Allow to dry for 2 hours before applying a second coat of sealer.

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Application Instructions for Unsealed Old Exposed Aggregate

Cleaning

- Concrete is to be clean and free of grease and oil. A stiff broom and general purpose cleaner are recommended.
- Acid etch with hydrochloric acid. Dilute 20 parts water to 1 part Dulux Avista Hydrochloric Acid (depending on porosity) to remove any loosely bound cement and laitance.
- Wet down the area to be treated with water. Leave until there is no standing water then proceed.
- Apply diluted acid to the 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.
- Wash down with water then pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on the surface). Pressure clean at minimum 2000 psi.
- Ensure surface is dry before sealing using a moisture meter (sealing over damp concrete will cause whitening in the coating). The moisture content must be below 10% prior to sealer application. If no moisture meter is available refer to Dry Test.

Sealing

- Stir Dulux Avista Concrete Sealer Exposed Aggregate well before pouring into a roller tray.
- Roll evenly onto the surface using a good quality lambswool roller.
- Allow to dry for 2 hours before applying a second coat of sealer.

Application Instructions for Previously Sealed Exposed Aggregate Surfaces.

IMPORTANT NOTE: If current sealer shows signs of whitening or blooming, 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. A stiff broom and general purpose cleaner are recommended.
- Pressure clean at a minimum 2000 psi to clean and remove all contaminants. Allow the surface to dry before resealing (sealing over damp concrete will cause whitening). The moisture content must be below 10% prior to sealer application. If no moisture meter is available, refer to Dry Test.

NOTE: Do not acid wash previously sealed surfaces.

Solvent Treatment

If the old Sealer has been properly cleaned and passes the cross hatch test then after a required solvent treatment a new coating of Dulux Avista Sealer can be applied. Dulux Avista Solvent is required to reactivate the existing sealer. This will help with the adhesion of the new sealer coat.

- Apply Dulux Avista Solvent to the area being resealed using a roller and roller tray.
- Complete solvent treatment of the entire surface.
- Allow the area to dry enough to walk on before proceeding to sealing stage (Approximately 30 minutes).

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Application Process

Do not apply to concrete if it has a patchy appearance
Ensure sealer is not applied too thick and no pooling occurs.

Sealing

- Stir Dulux Avista Concrete Sealer Exposed Aggregate well before pouring into a roller tray.
- Roll evenly onto the surface using a good quality lambswool roller.
- Allow to dry for 2 hours before applying a second coat of sealer.

Drying time

Allow 2 hours between coats.
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 2 hours
- Foot traffic for a minimum of 24 hours
- Vehicle traffic for a minimum of 3 days

Dry Test

- Place a piece of plastic (minimum 450mm X 450mm) over a small area, tape the edges and leave for 1 hour.
- Remove the plastic, if there is no moisture on either surface, then the concrete is sufficiently dry for sealing. Alternatively, ensure the surface is dry using a moisture meter. The moisture content must be below 10% prior to sealer application.

Maintenance

Remove oil, grease and other contaminants immediately with a general purpose cleaner.

NOTE: Surface will need to be resealed at 18 – 24 months.

Limitations

- Do not seal in high winds or if rain is likely.
- Do not apply over painted surfaces. Complete paint removal is required.
- Application of sealer can lower slip resistance (Dulux Avista Slip Reducing Additive available).
- Not suitable for food preparation areas.
- Not a waterproofing membrane.
- Not recommended to seal at extreme temperatures below 8°C and above 35°C.

Coverage

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

Storage Conditions

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Refer to SDS.

Cleaning

Clean up with Dulux Avista Solvent.

Safety

Recommended PPE:

- Organic vapour respirator mask
- External covered areas must have adequate natural ventilation due to fumes emitted during and after application
- Solvent resistant gloves
- Safety eye wear
- Appropriate solvent and acid resistant foot wear

Supply

FD278054-20L – DULUX AVISTA SEALER EXPOSED AGGREGATE 20L

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.

