

Dulux[®]

AVISTA[®]

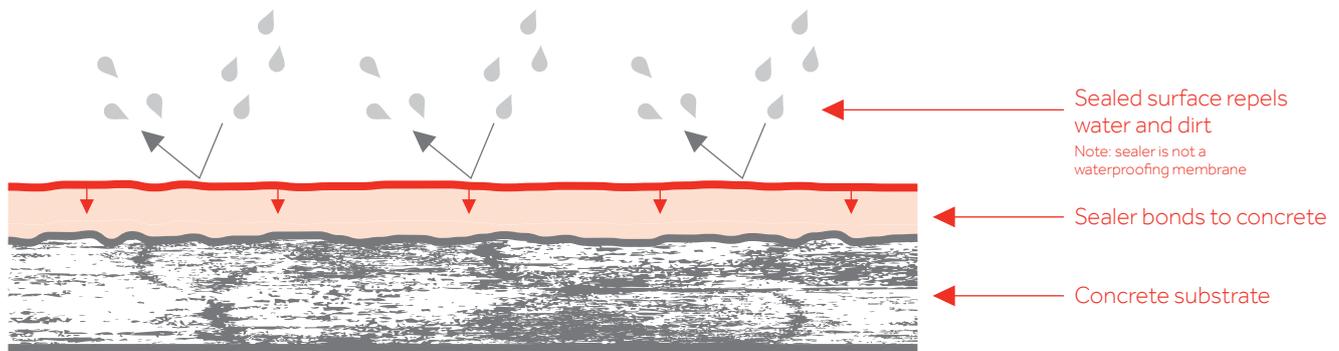
SEALING GUIDE



Designed to bring
surfaces to life

BENEFITS OF SEALING

Concrete sealers protect your concrete surfaces and produce an attractive finish that is easier to clean and maintain. The sealer works by blocking the pores of the concrete and providing a protective layer that helps stop dirt becoming ingrained and reduces colour fading.



However, sealers will wear over time, so keep your concrete surfaces looking great by resealing approximately every 2 years. Dulux® Avista® has a range of concrete sealers to meet your needs. This Sealing Guide provides you with the application process to help you achieve the best results.

Important note: Sealers are not recommended for use on steep or smooth concrete surfaces as they may cause the surface to become slippery, particularly when wet. For more information refer to the Technical Data Sheet (TDS) at www.duluxavista.com.au

Application Technique

For best results, the sealer should be poured into a roller tray and applied using a good quality 14 - 20mm lambswool nap roller with a solvent resistant insert. Apply the sealer evenly doing 1 square metre at a time. Ensure sealer is not applied too thickly and no pooling occurs.

It is also important to lay off with your roller. This is done by making sure the frame of the roller is kept on the one side and your final stroke should be away from you and then the roller lifted up off the surface. This reduces roller marks being left that occur when the roller reverses the nap when you pull the roller towards you.

▲ Sealing concrete will darken the colour of the concrete surface.



OLD UNSEALED CONCRETE

Concrete surface



PLAIN CONCRETE

STEP 1 ACID WASH

Ensure the concrete is free of grease, oil or paint by using a general purpose cleaner. Pressure clean surface thoroughly at a minimum of 2000 psi to ensure no residues of cleaning product are left on the surface. Acid etch the surface using hydrochloric acid (dilute approximately 20 parts water to 1 part acid). Apply diluted acid to surface using a large head watering can, applying in a criss cross motion (approx 5-10m² sections). Wash down with water then pressure clean immediately at a minimum of 2000 psi to clean and remove all remnants of acid (do not allow acid to dry on the surface). Ensure the surface is dry before sealing using a moisture meter (moisture content must be below 10%) or by conducting a Dry Test.



STEP 2 SEAL

Stir a suitable *Dulux Avista* top coat sealer such as *Dulux Avista* General Purpose or Extended Wear Sealer well before pouring into a roller tray. Roll evenly onto the surface using a good quality lambswool roller.

Allow to dry for 2 hours and then apply a second coat of sealer.

Note: Tintable Base can also be used, please refer to page 6 for Coloured Sealing Process.



Old unsealed exposed aggregate surface



OLD UNSEALED EXPOSED AGGREGATE

STEP 1 ACID WASH

Ensure the concrete is free of grease, oil or paint by using a general purpose cleaner. Pressure clean surface thoroughly at a minimum of 2000 psi to ensure no residues of cleaning product are left on the surface. Acid etch the surface using hydrochloric acid (dilute approximately 20 parts water to 1 part acid). Apply diluted acid to surface using a large head watering can, applying in a criss cross motion (approx 5-10m² sections). Wash down with water then pressure clean immediately at a minimum of 2000 psi to clean and remove all remnants of acid (do not allow acid to dry on the surface). Ensure the surface is dry before sealing using a moisture meter (moisture content must be below 10%) or by conducting a Dry Test.



STEP 2 SEAL

Stir *Dulux Avista* Exposed Aggregate Sealer well before pouring into a roller tray. Roll evenly onto the surface using a good quality lambswool roller.

Allow to dry for 2 hours and then apply a second coat of sealer.



- ▲ Ensuring the surface is thoroughly clean and dry prior to sealing is critical to a successful sealing job. Any mould must be removed by using a suitable mould remover.

NEW CONCRETE – FRESHLY LAID

Choose your concrete surface



PLAIN GREY CONCRETE



COLOURED CONCRETE



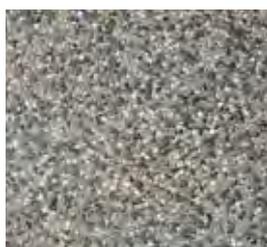
STENCIL PATTERN



STAMPED (special case - refer to separate Stamped Flyer)

STEP 1 CHECK SURFACE	STEP 2 PRE-SEAL	STEP 3 ACID WASH	STEP 4 SEAL
<p>Ensure concrete surface is sufficiently dry and firm enough to walk on without marking and there isn't any free water present.</p>	<p>Stir <i>Dulux Avista</i> Concrete Sealer Pre-Sealer well before pouring into a roller tray. Roll evenly onto the surface using a good quality lambswool roller. Allow to dry for 2 hours.</p> <p>The surface must then be left for a minimum of 30 days for the concrete to cure before proceeding to the next step.</p> 	<p>After a minimum of 30 days, acid etch the surface using hydrochloric acid (dilute approximately 20 parts water to 1 part acid). Apply diluted acid to surface using a large head watering can, applying in a criss cross motion (approx 5-10m² sections). Use a detergent to remove any grease or oil. Pressure clean immediately at a minimum of 2000 psi to clean and remove all remnants of acid and detergent (do not allow acid to dry on surface). Ensure the surface is dry before sealing using a moisture meter (moisture content must be below 10%) or by conducting a Dry Test.</p> 	<p>Stir a suitable <i>Dulux Avista</i> top coat sealer such as <i>Dulux Avista</i> General Purpose or Extended Wear Sealer well before pouring into a roller tray. Roll evenly onto the surface using a good quality lambswool roller.</p> <p>Allow to dry for 2 hours and then apply a second coat of sealer.</p> <p>Note: Tintable Base can also be used, please refer to page 6 for Coloured Sealing Process.</p> 

New exposed aggregate surface



NEW EXPOSED AGGREGATE

STEP 1 CHECK SURFACE	STEP 2 SEAL
<p>After the aggregate has been exposed, the surface must be sufficiently dry and firm enough to walk on without marking and there mustn't be any free water present. If the concrete is more than 5 days old, it should be acid etched prior to sealing.</p>	<p>Stir <i>Dulux Avista</i> Exposed Aggregate Sealer well before pouring into a roller tray. Roll evenly onto the surface using a good quality lambswool roller.</p> <p>Allow to dry for 2 hours and then apply a second coat of sealer.</p>



Finish: Exposed Aggregate
Colour: Coastal Stone

PREVIOUSLY SEALED CONCRETE

▲ If the surface has been sealed previously, a cross hatch test should be done to check whether the surface is suitable to be resealed. See Cross Hatch Test.

Choose your concrete surface



PLAIN GREY CONCRETE



COLOURED CONCRETE



STAMPED



STENCIL PATTERN



RESURFACED

STEP 1 CLEAN

Ensure the surface is clean and free of grease, oil or any contaminants. A stiff broom and general purpose cleaner are recommended. Pressure clean surface at a minimum of 2000 psi and allow to dry completely. Ensure the surface is dry using a moisture meter (moisture content must be below 10%) or by conducting a Dry Test.

STEP 2 SOLVENT

If the old Sealer has been properly cleaned and passes the cross hatch test, apply *Dulux Avista Solvent* to the area to be resealed using a roller and roller tray. This will help reactivate the existing sealer and create a key for the sealer to bond to the surface.

Note: If resealing a resurfaced area, DO NOT apply too much solvent as it may soften the resurfacing product.

STEP 3 SEAL

Stir a suitable *Dulux Avista* top coat sealer such as *Dulux Avista General Purpose* or *Extended Wear Sealer* well before pouring into a roller tray. Roll evenly onto the surface using a good quality lambswool roller. Allow to dry for 2 hours and then apply a second coat of sealer.

Note: Tintable Base can also be used, please refer to page 6 for Coloured Sealing Process.



Previously sealed exposed aggregate surface



EXPOSED AGGREGATE

STEP 1 CLEAN

Ensure the surface is clean and free of grease, oil or any contaminants. A stiff broom and general purpose cleaner are recommended. Pressure clean surface at a minimum 2000 psi and allow to dry completely. Ensure the surface is dry before sealing using a moisture meter or by conducting a Dry Test.

STEP 2 SEAL

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



Colour: Gunmetal

RESEALING USING COLOURED SEALER

▲ If the surface has been sealed previously, a cross hatch test should be done to check whether the surface is suitable to be resealed. See Cross-hatch Test.

STEP 1 CLEAN	STEP 2 SOLVENT TREATMENT	STEP 3 SEAL
<p>Ensure the surface is clean and free of grease, oil or any contaminants. A stiff broom and general purpose cleaner are recommended. Pressure clean surface at a minimum 2000 psi and allow to dry completely. Ensure the surface is dry using a moisture meter (moisture content must be below 10%) or by conducting a Dry Test.</p>	<p>If the old Sealer has been properly cleaned and passes the cross hatch test, apply <i>Dulux Avista</i> Solvent to the area to be resealed using a roller and roller tray. This will help reactivate the existing sealer and create a key for the sealer to bond to the surface.</p>	<p>Add 1L of <i>Dulux Avista</i> Colour Tint to 19L <i>Dulux Avista</i> Tintable Base and mix thoroughly for 3-4 minutes using a hand paddle. Pour the tinted sealer into a roller tray and roll evenly onto the surface using a good quality roller. If required, a second coat of sealer can be applied after 2 hours.</p>

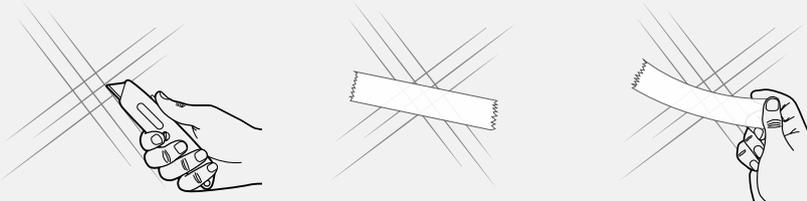


Mix Regularly

The tinted sealer must be mixed regularly during application to ensure colour consistency.

Cross-hatch Test

This simple test should be used to ascertain whether the existing sealer is suitable to be resealed over.



STEP 1	STEP 2	STEP 3
<p>Use a sharp blade to create a light 'cross-hatch' incision through the sealer.</p>	<p>Place a piece of self adhesive tape (such as clear packing tape) over the incision.</p>	<p>Press firmly for maximum adhesion and remove sharply. Repeat with fresh tape several times.</p>

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 resealed.

1 HOUR Dry Test

STEP 1

Place a piece of black plastic or cling wrap over a small area (400mm x 400mm), tape the edges and leave for 1 hour.

STEP 2

Remove plastic. If there is no moisture on either the plastic or the concrete, the concrete is sufficiently dry for sealing.

Slip Resistance

To obtain a lower slip factor use the appropriate *Dulux Avista* Slip Reducing Additive.

Maintenance Tips

- ▲ Keep your sealed surfaces looking good for longer by regular sweeping and cleaning to avoid excessive dirt ingress. Dust and dirt are abrasives that will shorten the lifespan of your sealed surface and excessive leaf and organic litter may stain the surface.
- ▲ Scrub soiled areas immediately with a stiff bristle broom and hose as required to maintain a clean surface.
- ▲ For heavier duty cleaning, use a general purpose cleaner or household dishwashing liquid. Ensure all the cleaner is removed when hosing off the surface.
- ▲ Avoid acid, solvent and chlorine based cleaners as they may adversely affect the sealer.
- ▲ Immediately clean and remove oil, grease, petrol and paints.

DRYING TIME



Allow 2 hours between coats.



Do not apply sealer at temperatures below 8°C or above 35°C.

Do not seal if high winds or rain are likely.



Finish: Resurfacing
Base Colour: Chestnut
Flecks Colours: Gunmetal and Silver Sands



Finish: Resurfacing
Base colour: Bluegum
Pattern colour: Slate Grey

FAQ

How do I know when my pavement needs to be resealed?

If your pavement appears faded and dull but darkens when wet, it is time to reseat. Generally, surfaces need to be resealed every 2 years.

What affects the life expectancy of a sealer?

The type and frequency of traffic, along with the weather conditions all play a part in how long the sealer may last. Traffic over excess dirt, friction (e.g. from tyres), and other excessive wear and tear (e.g. power steering or heavy traffic) may reduce the life of the sealer. Constant UV exposure may also reduce the life of the sealer. Regular maintenance can help extend the life of the sealer.

How long will the sealer take to cure?

Curing times will depend on the ambient conditions and can vary from job to job. However, it is recommended that the sealed surface does not have foot traffic for at least 2 hours and vehicle traffic for at least 5 days.

What is the coverage rate of sealer?

Normal coverage for a first coat is approx 3-5m² per litre depending on the porosity of the concrete. Subsequent coats should deliver 5-6m² per litre of sealer.

Can I reseat if there is flaking/peeling sealer on the surface?

No you can't reseat this surface. The sealer will need to be completely stripped from the surface which should be done by a professional contractor.

What should I do if bubbles appear on the surface when I am applying the sealer?

If you see the bubbles as you are applying the sealer, dampen another roller with *Dulux Avista Solvent* and lightly roll over any bubbles. Bubbling can occur if the surface is too hot when applying the sealer, or if moisture is present in the concrete.



Dulux
AVISTA

© Avista is a registered trade mark.
 © Dulux is a registered trade mark of DuluxGroup (Australia) Pty Ltd.

Dulux Avista
 1956 Dandenong Rd
 Clayton VIC 3168
 ABN 80 069 961 968

Distributed in New Zealand by:
 Concrete Plus Limited
 150 Hutt Park Road, Gracefield
 Telephone: 0800 657 156

The data provided in this brochure is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to using sealing products. This guide should be read in conjunction with the product Technical Data Sheet (TDS).

DISCLAIMER: Any advice, recommendation, information, assistance or service provided by *Dulux Avista* in this brochure is given in good faith and is believed by *Dulux Avista* to be appropriate and reliable. However, it is provided without liability or responsibility, PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the rights, entitlements and remedies conferred upon any person or the liabilities imposed upon *Dulux Avista* by any condition or warranty implied by law which may not be limited or excluded.