

Agreseal™ Concrete Sealer

Description

Agreseal™ concrete sealer utilises advanced technology developed by Nutech over nearly 40 years. Agreseal™ is a ready to use clear glaze specifically formulated to seal and protect decorative exposed aggregate concrete surfaces and to improve concrete surface performance and appearance. Agreseal™ enhances concrete and aggregate colour, protects the surface against most stains including grease, oils and food and repels water.

Agreseal™ is a penetrating non yellowing glossy wet look sealer, recommended as a two coats system to provide a durable surface ideal for pedestrian and vehicle traffic. Agreseal™ provides an attractive finish for new and old exposed aggregate surfaces.

Typical Properties

Appearance:	Single pack clear colourless viscous liquid
Total Solids Content:	20% UV protected clear
Per Cent Volatiles:	80% (highly flammable)
Diluting Solvent & Clean Up:	Nutech Thinners
Minimum/maximum Application Temperature:	8°C - 30°C
Recommended Application Rate:	Two coats @ 3-5 square metres per litre per coat

Applications & Features

Agreseal™ is manufactured from Acrylic Polymer Resins in a solvent base designed to assist surface impregnation and is specifically formulated for exposed aggregate concrete. Agreseal™ is highly durable and resistant to oil and most household chemicals excluding petrol and solvents (refer to Nutech PaveCoat® PR 200 and PR 210 petrol resistant sealers).

Agreseal™ can also be used as a decorative and protective coating system on a wide range of concrete paving and building applications excluding clay and terra cotta bricks and tiles. Agreseal™ provides excellent adhesion, weather and waterproofing protection and a hardwearing surface. Designed as a two coat system, Agreseal™ provides excellent protection against fading and powdering of oxide colours, staining and marking due to contaminants including foodstuffs, oil and grease.

Features include;

- Improves surface performance of the concrete
- Enhances concrete and aggregate colours
- Helps protect against freeze/thaw damage
- Protects against most stains and many household chemicals
- Repels grease, oil and water
- Non yellowing glossy wet look after two coats
- Low maintenance and improves cleaning
- Non-yellowing and resistant to discolouration
- Easily recoated

Application Guidelines

Refer to the Agreseal™ Material Safety Data Sheet and the Nutech Concrete Sealer Application Guidelines for complete product and safety information before using Agreseal™. Agreseal™ is highly flammable and skin and eye contact must be avoided. Ensure adequate ventilation at all times. Seek immediate medical advice if safety or health issues arise. Application by broom, roller, brush or spray is recommended subject to suitable surface preparation. Always store full and used containers responsibly.

Sealing New Exposed Aggregate Surfaces

On newly constructed exposed aggregate ensure that the surface is clean and dry. If the surface is affected by white efflorescence, broom over with clean Nutech Thinners to dissolve and dissipate all salts before sealing.

Dilute Agreseal™ by up to 50% Nutech Thinners for the first coat and apply an even coat using a soft bristle broom, roller or spray at the rate of 1 litre per 3 to 5 square metres. Avoid ponding or pooling. Stir thoroughly before using Agreseal™. A very light mist spray or light roller application technique will not ensure surface penetration and subsequent adhesion problems may result.

Apply a second coat without dilution in the same manner as the first coat at the rate of 1 litre per 3 to 5 square metres. If Agreseal™ is being applied in hot weather, the addition of 2 litres of Nutech Thinners per 20 litres of Agreseal™ will reduce surface bubbling.

If inadequate sealer thickness is applied on new exposed aggregate, some efflorescence (salt whitening) may occur for a short period. This white powder can usually be washed off easily and should cease after several months. The application of one or two additional coats of Agreseal™ can prevent the appearance of white salts. Although Agreseal™ will prevent surface powdering of the concrete, sealers do not appreciably increase the

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hardness of the concrete surface. Soft or damaged surfaces should not be sealed with Agreseal™ without special surface treatment to stabilise and harden the concrete.

Sealing & Resealing Old Exposed Aggregate

Old exposed aggregate surfaces which have never been sealed should be cleaned, degreased and then treated with a dilute hydrochloric acid and water etch (1 part acid to 20 parts clean water). After treatment two coats are recommended as per a newly constructed surface.

On old previously sealed exposed aggregate it is important to remove all grease, oil, food, contamination and flaking sealer before re-sealing. Nutech Grease Magic should be used to remove oil and grease. Soaking heavy stains with Grease Magic before high pressure water cleaning is recommended. Testing is recommended before applying Agreseal™ over another manufacturer's sealer to ensure compatibility. Before applying Agreseal™ do not acid etch the concrete if there is an existing sealer or coating on the surface, because coating delamination will occur. Very old, hard sealer or problem and delaminating sealer surfaces should be thoroughly scrubbed with Nutech Seal Repair Solution before re-sealing - refer Seal Repair Solution Guidelines. Testing a small area using this method allowing to weather for 4-6 weeks is highly recommended. If the new sealer on the test area fails, stripping the old sealer, acid etching and high pressure water cleaning will be required before applying new coats of Agreseal™.

Slip Hazard

Sealing of smooth and sloping concrete surfaces will reduce pedestrian and vehicle safety. Adding one or two 300 gram packets of Nutech Anti-Slip Additive per 20 litres in the final coat of Agreseal™ will reduce slipping and improve pedestrian safety. On some round pebble exposed aggregate, Nutech Anti-Slip Additive is not adequate on steep and sloping surfaces, therefore Agreseal™ is not recommended for sealing these steep and sloping surface. Refer to your Nutech specialist for alternative recommendations on steep, smooth surfaces. Testing on site is recommended in all cases as site conditions vary widely.

Curing Time

Curing time is dependant on temperature. At 25°C Agreseal™ will touch dry in 30 minutes. Allow a minimum of 1 hour between coats in warm weather and longer in cool weather. In cold weather allow additional time. Full curing is not achieved for up to one week. Avoid parking vehicles for several days in cold weather and 3-4 days in very hot weather. Do not park vehicles with hot tyres on newly applied Agreseal™ for at least five days.

Application Warnings

Application of Agreseal™ may highlight concrete colour variations and aggregate size and colour variations. Do not apply Agreseal™ late in the day as the risk of surface damage caused by dew and condensation increases. Agreseal™ affected by moisture loses gloss and clear sealers may appear milky. If bubbles appear due to air entrapment during application, scrubbing with a solvent wet broom the next day will repair any damage.

Agreseal™ contains flammable solvents and suitable safety precautions, protective clothing, footwear and gloves must be used during handling and application. Always store and handle full and used Agreseal™ containers responsibly. Ensure adequate ventilation if applying sealer in enclosed spaces. Avoid contact with naked flames, sparks, pilot lights and other sources of ignition. Avoid contact with eyes and skin. Read "Safety Directions" on and "First Aid" instructions on this container. Refer to Nutech Material Safety Data Sheet for additional safety and user information.

Important Note

The information given on this data sheet is based on many years experience and is correct to the best of our knowledge. However since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.