

Nutech Concrete Range

Nutech Paint
Application Instructions & Guidelines
Nutech Concrete Range of Products



Agreseal® Concrete Sealer

Description

Nutech Agreseal® concrete sealer utilises advanced technology developed by Nutech over 40 years. Nutech 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.

Nutech Agreseal® enhances concrete and aggregate colour, protects the surface against most stains including grease, oils and food and repels water.

Nutech 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.

Nutech 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 Appl Temp:	8°C - 30°C
Recommended Application Rate:	<i>Two coats @ 3-5 square metres per litre per coat</i>

Applications & Features

Nutech Agreseal® is manufactured from Acrylic Polymer Resins in a solvent base designed to assist surface impregnation and is specifically formulated for exposed aggregate concrete.

Nutech 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).

Nutech Agreseal® provides excellent adhesion, weather and waterproofing protection and a hardwearing surface.

Designed as a two coat system, Nutech Agreseal® provides excellent protection against fading and powdering of oxide colours, staining and marking due to contaminants including foodstuffs, oil and grease.

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Features

- 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

Suitable Substrates

Nutech Agreseal® can also be used as a protective coating system on a wide range of concrete paving and building applications excluding clay and terra cotta bricks and tiles. New and Old exposed Aggregate, Sealed Aggregate.

Surface Preparation

- 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.

Application Guidelines

Equipment Type Soft Bristle Broom, Roller or Spray

NOTE:

A very light mist spray or light roller application technique will not ensure surface penetration and subsequent adhesion problems may result.

Dilution 50% Nutech Thinners for the first coat

If Nutech Agreseal® is being applied in hot weather, the addition of 2 litres of Nutech Thinners per 20 litres of Agreseal® will reduce surface bubbling.

Number of Coats 2 Coats

First coat evenly at the rate of 1 litre per 3 to 5 square metres.

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Recoat Time 1-2 hours

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.

- Avoid ponding or pooling.
- Stir thoroughly before using Nutech Agreseal®.

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 Nutech Agreseal® can prevent the appearance of white salts.

Although Nutech Agreseal® will prevent surface powdering of the concrete, sealers do not appreciably increase the hardness of the concrete surface.

NOTE:

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

Before applying Nutech Agreseal do not Etch the concrete if there is an existing sealer or coating on the surface because coating delamination will occur

Sealing Old Surfaces

Old exposed aggregate surfaces which have never been sealed should be:

- Cleaned
- Degreased
- Treated with a solution of diluted Hydrochloric Acid or Nu-EcoSafe Concrete Etch and water (1 part acid/Etch to 20 parts clean water).

NOTE:

After treatment, two coats are recommended as per a newly constructed surface.

Old aggregate surfaces that have been sealed should be cleaned.

Remove the following before resealing by using Nu-EcoSafe High Strength Degreaser. Soaking of Heavy stains with the Nu-EcoSafe High Strength Degreaser before high pressure water cleaning is recommended.

Grease – Oil – Food – Contaminated and Flaking sealer.

Test Patch

Testing a small area with Nutech Agreseal for compatibility is recommended when applying the sealer over another product.

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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 Nutech Agreseal®.

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.

Slip Hazard

Sealing of smooth and sloping concrete surfaces will increase pedestrian and vehicle safety.

Adding one or two 300 gram packets of Nutech Anti-Slip Additive per 20 litres in the final coat of Nutech Agreseal® will reduce slipping and improve pedestrian safety.

Some situations where round pebble exposed aggregate is on a Steep and sloping surface, Nutech Anti-Slip Additive is not adequate, therefore Nutech Agreseal® is not recommended for sealing these surfaces.

Refer to your Nutech specialist for alternative recommendations on steep, smooth surfaces.

Contact Nutech Paint Technical Service 03 9770 3000

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.

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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.

Seek immediate medical advice if safety or health issues arise.

Always store full and used containers responsibly.

DISCLAIMER: Warranty and Limitation of liability:

Warranty

Nutech warrants its products to be free from defects in material and workmanship. Nutech’s sole obligation and Buyer’s exclusive remedy in connection with the products shall be limited, at Nutech’s option, to either replacement of products not conforming to this Warranty or credit to Buyer’s account in the invoiced amount of the nonconforming products.

Any claim under this Warranty must be made by Buyer to Nutech in writing within five (5) days of Buyer’s discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer’s failure to notify Nutech of such non-conformance as required herein shall bar Buyer from recovery under this Warranty.

Nutech makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Nutech be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by Nutech, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

Nutech’s liability on any claim of any kind, including claims based upon Nutech’s negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall Nutech be liable for consequential or incidental damages.

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.