PaveCoat® Concrete Sealer

Description

PaveCoat® concrete sealers utilise advanced technology developed by Nutech over 33 years. PaveCoat® is recommended for a wide variety of functional, decorative and protective concrete. PaveCoat® seals, colours and protects concrete to provide a durable surface ideal for pedestrian and vehicle traffic. PaveCoat® provides an attractive finish for new and old concrete. The PaveCoat® range is available in matt, standard and high gloss clear and colours in a wide range of designer, traditional and heritage colours to brighten up even the most boring concrete surface.

Typical Properties

Appearance:	Single pack clear colourless or coloured viscous liquid
Total Solids Content:	17% Cure & Seal, 25% UV Clear, 28% Colour Seal
Per Cent Volatiles:	> 70% (highly flammable)
Diluting Solvent & Clean Up:	Nutech Thinners
Minimum Film Forming Temperature:	10°C
Recommended Application Rate:	***Two coats @ 4 square metres per litre per coat***

Applications & Features

PaveCoat® is manufactured from Acrylic Polymer Resins and is recommended for all types of concrete including footpaths, paving, driveways, factory and workshop floors, service stations, tilt slab construction, asbestos and cement sheeting, slate flooring and concrete roof tiles. PaveCoat® UV Clear and Colours are recommended for plain concrete, pattern paving, stamped and slate impression paving, stencil paving and spray-on paving including Designer Concrete Coatings®, Faux-Tex®, Duratex®, Ad-Tex® and similar proprietary products. PaveCoat® is highly durable and resistant to oil and most household chemicals excluding petrol and solvents. PaveCoat® PR 200 and PR 210 are highly petrol resistant and suitable for petrol stations and light duty vehicle workshops. PaveCoat® Enamel is recommended for overcoating standard enamel floor paints and for oil and grease contaminated motor vehicle workshop floors.

The PaveCoat® range is designed to provide a decorative and protective coating system for a wide range of concrete paving and building applications. PaveCoat® provides excellent adhesion, weather and waterproofing protection and a hardwearing surface. Designed as a two coat system, PaveCoat® provides excellent protection against fading and powdering of oxide colours, staining and marking due to contaminants including foodstuffs, oil and grease. PaveCoat® Colour Seal is non-fading and resistant to discolouration.

Application Guidelines

Refer to the PaveCoat® Material Safety Data Sheet and the Nutech Concrete Sealer Application Guidelines for complete product and safety information before using any PaveCoat® product. PaveCoat® products are 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.

Sealing New Concrete Surfaces

It is very important to clean all new concrete before applying PaveCoat® sealers. The best method is to high-pressure water blast (>2000 Psi) to remove concrete salts and dust (efflorescence), dirt and contamination. On smooth concrete and hardened surfaces it is also necessary to acid etch the surface to improve surface porosity. This includes slate impression concrete, polished or ground concrete, stone dust and colour hardened concrete, steel towelled concrete and smooth towelled joint and borderlines. A mixture of 1 part Hydrochloric Acid to 15 parts clean water is broomed over the concrete and allowed to penetrate for several minutes. Thoroughly flush the surface with water to remove the acid solution and allow to dry completely before sealing. ***Stir coloured PaveCoat® thoroughly before applying.***

The first coat of clear or coloured sealer must be diluted with Nutech Thinners to assist penetration into the concrete. Ensure first coat saturation to assist penetration into the concrete surface and guarantee satisfactory adhesion. A light mist spray or light roller application technique will not assure surface penetration and adhesion problems will result. Adding 3 to 4 litres of Nutech Thinners to 20 litres of PaveCoat® on plain concrete and up to 50% Thinners for hardened, topping coloured and smooth steel towelled concrete is recommended for the 1st coat. On very porous concrete thinning of the first coat is not required. More than two coats of a light coloured sealer may be required on porous concrete or when over coating a dark surface. The 2nd and subsequent coats of sealer do not require thinning. If the sealer is being applied in hot weather the addition of 2 litres of Thinners per 20 litres of PaveCoat® will reduce surface bubbling.

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PaveCoat® Cure & Seal, UV Clear and Colour Seal may be applied on fresh curing 'green' concrete the same day, provided the surface it is not saturated with water and can be walked on. This may no be possible in winter. If the first coat of sealer is not applied on the same day it is poured, it is important to wait until the surface is sufficiently cured to enable surface preparation as recommended above. In winter concrete is usually cold and wet on the surface for at least 2-3 days and sometimes for up to one week. Sealing of this concrete is not recommended until the surface has started to whiten indicating adequate curing. If inadequate sealer thickness is applied on new concrete, 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 sealer can prevent the appearance of white salts. Although PaveCoat® will prevent surface powdering of the concrete, sealers do not appreciably increase the hardness of the concrete surface. Soft or damaged concrete should not be sealed with PaveCoat® without special surface treatment to stabilise and harden the concrete.

Sealing & Resealing Old Concrete
It is important to remove all grease, oil, food, contamination and flaking paint before sealing or 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. Multiple detergent washes and adequate rinsing will be required on oil and grease affected floors. Refer to Nutech Motor Repair Workshop Guidelines. All cleaners, chewing gym, food, silicon and acrylic paint should be completely removed from the concrete before PaveCoat® is applied. Thorough testing is recommended before applying PaveCoat® over a previously sealed surface to ensure compatibility. Before applying PaveCoat® 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 PaveCoat®.

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 PaveCoat® will reduce slipping and improve pedestrian safety. Nutech Ant-Slip Additive is not adequate on steep concrete and smooth sloping concrete, therefore PaveCoat® is not recommended for sealing very steep and smooth concrete. 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 PaveCoat® 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 PaveCoat® for at least five days.

Application Warnings

Do not apply PaveCoat® late in the day as the risk of surface damage caused by dew and condensation increases. Sealer 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.
PaveCoat® contains flammable solvents and suitable safety precautions must be taken during handling and application. 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.