

Pavecoat Concrete Sealer - Fact Sheet



Description

Nutech Pavecoat is a single pack water-based acrylic concrete sealer and has been developed to achieve excellent penetration and adhesion characteristics to overcome the problems associated with traditional concrete sealer solutions in organic solvents. Pavecoat has a fine particle size, rapid hardness development, good chemical resistance and excellent adhesion to concrete and masonry surfaces.

Typical Properties

Appearance:	Milky liquid drying to clear or colored firm
Total Solids Content:	25% or subject to application
PH:	9.0
% Volatiles:	Nil (Non Flammable Liquid)
Solubility In Water:	Miscible
Thinners:	15c
Minimum Film Forming Temperature:	180 microns
Minimum Dry Film Thickness:	Refer Guidelines below



Applications & Features

Pavecoat Concrete Sealer is manufactured from a high quality semi-gloss acrylic emulsion and is suitable for sealing interior concrete surfaces. Pavecoat has exceptional durability, chemical and oil resistance and weather ability. Most importantly the sealer has low odor, toxicity and non flammability characteristics. Pave coat has been designed to provide a concrete treatment, which has excellent waterproofing and durability properties and provides excellent adhesion and non-wearing performance similar to equivalent organic solvent solution acrylic sealers without the associated environmental problems. Designed as a two coat system on high density surfaces, the sealer provides excellent protection against fading or leeching of oxides in concrete and staining or marking due to contaminants including grease and oil. Pavecoat concrete sealers are widely distributed in Australia & the USA for concrete driveways, factory floors, bluestone and pattern paving, garage floors and workshops, and stencil and slate impression concrete. Pavecoat has excellent pigment dispersion and is water reducible to suit different application substrates.

Features of Pavecoat Concrete Sealer include:

- Water cleanup & dilution
- Excellent gloss and color retention
- Excellent adhesion
- Excellent recoat ability & easy repair of damaged surfaces
- Improved hardness and flexibility
- Rapid drying and reduced recoating downtime
- Suitable for concrete and masonry surfaces, textured finishes, elastomeric
- Coatings, cementitious coatings, ceramic tile and vinyl tile adhesives, and Acrylic, alkyd and vinyl paints, brick, unglazed terra cotta and quarry tiles
- Improved ultra violet light resistance and non-yellowing
- Weatherproofing performance
- Moisture vapor permeable to reduce blistering risks
- Wide range of colors and custom tinting available
- Water clear transparency
- Good resistance to discoloration
- Outstanding durability
- Broad spectrum fungus resistance
- Oil and water resistant
- Good resistance to many chemicals and inorganic acid and alkalis
- Low odor and toxicity
- Non-flammable





Application Guidelines

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 Concrete Sealer 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 color hardened concrete, steel trowelled concrete and smooth trowelled joint and border lines. 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. Ensure first coat saturation to assist penetration into the concrete surface and guarantee satisfactory adhesion. No thinning is required for first or subsequent coats. More than two coats of a light colored sealer may be required on concrete or when over coating a darker surface. 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 Concrete Sealer 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 Concrete Sealer without special surface treatment to stabilize 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. A commercial floor grease remover product should be used to remove oil and grease. Soaking heavy stains with Grease remover before high pressure water cleaning is recommended. All cleaners, chewing gum, food, silicon and acrylic paint should be completely removed from the concrete before Pavecoat Concrete Sealer is applied. Thorough testing is recommended before applying Pavecoat Concrete Sealer over a previously sealed surface to ensure compatibility. Before applying Pavecoat Concrete Sealer 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 SRS application instructions). It is recommended that a small area is tested using this method and left to weather for at least 4-6 weeks. If the new sealer on the test area fails, stripping the old sealer, acid etching and high pressure water cleaning will be required before.

Curing Time

Curing time is dependent on temperature. At 25°C Water-based Concrete Sealer will be 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 tires on newly applied Water-based Concrete Sealer for at least five days.

Application Warnings

- Avoid sealing when rain or dew is expected within 24 hours. Any contact with moisture within the first 24 hours will damage newly applied sealer.
- Avoid washing for 7 days after application.
- 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.

