

# Nutech Concrete Range

Nutech Paint  
Application Instructions & Guidelines  
Nutech Concrete Range of Products



## **Petrol Resistant PaveCoat® (PR200 clear, PR210 coloured)**

### **Description**

Nutech Petrol Resistant Pavecoat® is specially formulated for surfaces exposed to petrol and mild solvents. Available in clear and colours. Petrol Resistant Pavecoat® is a high quality gloss acrylic coating for concrete or masonry surfaces. Standard acrylic concrete sealers usually become very slippery and dirty when contaminated with petrol or solvents. This is avoided by using petrol resistant sealer.

### **Typical Properties**

|                                      |   |
|--------------------------------------|---|
| Appearance:                          | Single Pack Clear or coloured viscous liquid          |
| Total Solids Content:                | 22.5%   |
| pH                                   | N/A   |
| Per Cent Volatiles:                  | > 70% (Highly Flammable)                              |
| Specific Gravity                     | N/A   |
| Solubility In Water:                 | Immiscible  |
| Minimum Film Forming Temperature:    | 10°C  |
| Minimum Dry Film Thickness:          | 100 microns   |
| <b>Recommended Application Rate:</b> | <b>Two coats @ 4 square metres per litre per coat</b> |

### **Typical Uses**

Typical projects include:

- **Concrete**
- **Masonry**
- **Service Stations**
- **Work Shops**
- **Factory Floors**
- **Driveways**
- **Garage Workshop Floors**

Some of the features of Petrol Resistant Pave Coat:

- Exceptional Durability
- Designed as a 2 coat system on high density surfaces.
- Resistant to Chemicals, Mild Solvent, Petrol
- Excellent protection against Fading or Leeching of Oxides in Concrete
- Excellent protection against Staining or Marking due to contaminants including Grease, Oil and Dirt.
- Excellent pigment dispersion – can be cut in various appropriate solvents.

### **Application Features & Guidelines**

#### **Equipment Type**

Application by broom, roller, brush or spray is recommended subject to suitable surface preparation.



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### **Sealing New Concrete Surfaces**

#### **Preparation**

It is very important to clean all new concrete before applying Petrol Resistant PaveCoat® sealers.

- The best method is to high-pressure water blast (>2000 Psi) to remove concrete salts and dust (efflorescence), dirt and contamination.
- It is also necessary to etch the surfaces to improve surface porosity, therefore we recommend using Nu-EcoSafe Concrete Etch or Hydrochloric Acid.

This includes Slate impression concrete, Polished or Ground concrete, Stone dust and Colour hardened concrete, Steel trowelled concrete and Smooth trowelled joint and Borderlines.

A mixture of 1 part Hydrochloric Acid or Nu-EcoSafe Concrete Etch to 10 parts clean water is poured over the concrete and allowed to penetrate for 10 - 15 minutes. Thoroughly flush the surface with water to remove the acid solution and allow to dry completely before sealing.

#### **Dilution**

- The first coat of clear or coloured sealer must be diluted with Nutech PR Solvent to assist penetration into the concrete.
- Ensure first coat saturation to assist penetration into the concrete surface and guarantee satisfactory adhesion.
- Adding 4 litres of Nutech PR Solvent to 20 litres of Nutech Petrol Resistant PaveCoat® on plain concrete and up to 50% Nutech PR Solvent for hardened, topping coloured and smooth steel trowelled concrete is recommended.
- On very porous concrete, thinning of the first coat may not be required.

#### **Number of Coats**

- More than two coats of a light coloured sealer may be required on concrete or when over coating a darker surface.
- The second coat of sealer does not require thinning.
- In hot weather the addition of 2 litres of Thinners per 20 litres of Nutech Petrol Resistant PaveCoat® will reduce surface bubbling.
- 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.



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### **WARNINGS:**

- 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.
- Soft or damaged concrete should not be sealed with Nutech Petrol Resistant PaveCoat® without special surface treatment to stabilise and harden the concrete.

### **NOTE:**

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

## **Sealing & Resealing Old Concrete**

### **Preparation**

- Remove all Grease, Oil, Food, Contamination and Flaking paint before sealing or re-sealing.
- Nutech Nu-EcoSafe High Strength Degreaser should be used to remove Oil and Grease. Soaking heavy stains with Nu-EcoSafe High Strength Degreaser before high pressure water cleaning is recommended.
- All cleaners, Chewing gum, Food, Silicon and Acrylic paint should be completely removed from the concrete before Nutech Petrol Resistant PaveCoat® is applied.
- Thorough testing is recommended before applying Nutech Petrol Resistant PaveCoat® over a previously sealed surface to ensure compatibility.
- Before applying Nutech Petrol Resistant PaveCoat® **DO NOT** acid etch the concrete if there is an existing sealer or coating on the surface because coating delamination will occur.

### **Patch Test**

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 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 applying new coats of Nutech Petrol Resistant PaveCoat®.

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### **Slip Hazard**

Sealing of smooth and sloping concrete surfaces will reduce pedestrian and vehicle safety. Adding one to three 300gram packets of Nutech Anti-Slip Additive per 20 litres in the final coat of Nutech Petrol Resistant PaveCoat® will reduce slipping and improve pedestrian safety.

Nutech Anti-Slip Additive is not adequate on steep concrete therefore Nutech Petrol Resistant PaveCoat® is not recommended for sealing very steep and smooth concrete.

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

### **Curing Time**

Curing time is dependant on temperature. Full curing is not achieved for up to one week.

### **Touch Dry**

At 25°C Nutech Petrol Resistant PaveCoat® will touch dry in 30 minutes.

### **Recoat**

- Allow a minimum of 2 hours between coats.

### **Warning:**

**Do not park vehicles with hot tyres or place heavy items on newly applied Nutech Petrol Resistant PaveCoat® for at least 7 days.**

### **Application Warnings**

- **DO NOT** apply Nutech Petrol Resistant PaveCoat® late in the day as the risk of surface damage caused by dew and condensation increases.
- Sealer affected by moisture loses gloss and may appear milky.
- Nutech Petrol Resistant PaveCoat® contains flammable solvents and suitable safety precautions must be taken during handling and application.
- Ensure Nutech PR Solvent is used for thinning etc, **NOT** standard Nutech Thinners.
- Ensure adequate ventilation if applying 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 container.

**Seek immediate medical advice if safety or health issues arise.**

**Refer to the Nutech Petrol Resistant PaveCoat® Material Safety Data Sheet and Nutech Concrete Sealer Application Guidelines for complete product and safety information before using the product.**

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**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.