

Nutech Concrete Range

Nutech Paint
Data Sheet
Nutech Concrete Range of Products



EPiC Epoxy 500 – Two Pack

Description

EPiC Epoxy 500 is a High Build Two Pack Floor Coating which provides excellent protection for Concrete, Masonry and Metal surfaces with proven durability and performance. The coating provides excellent hardness and scuff resistance, designed for a wide variety of applications including commercial and industrial floors and walls. Epoxy 500 is suitable for INTERIOR use only as early loss of gloss and surface chalking are likely due to UV damage.

Typical Properties

Appearance	Coloured viscous liquid
Volume Solids	47.5%
Per Cent Volatiles	52.5%
Specific Gravity	1.07
Solubility in Water	Nil
Minimum Film Forming Temperature	5°C.
Minimum Dry Film Thickness	100 Microns per coat
Recommended Application Rate	8 sq. metres per litre / coat

Typical Uses

EPiC Epoxy 500 provides excellent protection against a range of corrosives including Petrol, Oil, Fatty Oils, Alkali, Acid and Efflorescence. It has a high resistance to Corrosion and Abrasion and is impervious to Water and Moisture, meaning it can be fully submerged under water making it ideal for Pools, Ponds and Interior Wet Areas. Epoxy 500 is also rated for food stuffs and can be used in a variety of areas including Restaurants, Hospitals and Supermarkets. It can also be used as a High Build Protective Primer for metal surfaces but must be top coated using EPiC PolyCryl for exterior use.

Applications & Features

EPiC Epoxy 500 is used for a wide variety of applications where traditional floor paints, paving paint, epoxy coatings and furniture finishes are used. It has excellent durability, with high resistance to solvents, corrosion and abrasion after full curing is achieved. Epoxy 500 is highly petrol resistant and suitable for high traffic areas and vehicle repair workshops. Surfaces sealed with Epoxy 500 can be easily cleaned and will resist bacteria growth.

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Equipment & Tools

Brush, Roller or Spray.

Equipment Type

Good quality Brush and Roller Sleeve.

Spray application will depend on the type of finish required.

DO NOT store mixed product in spray equipment to avoid damage.

Surface Preparation

All surfaces must be free from Rust, Oil, Grease, and all other surface contamination. New concrete must have a PH level less than 10 and had at least 28 days to cure. New and old Concrete should be Acid Etched using 1 Part Hydrochloric Acid or Nu-EcoSafe Concrete Etch to 10 Parts Water. High Pressure Water Blast area (>2000Psi) and allow to completely dry. Painted concrete in poor condition should be stripped using our Nu-Ecosafe range of paint strippers and acid etched before application.

Mixing Ratio

3 Parts A to 1 Part B.

After drill mixing leave to stand for 10 minutes before using to allow full activation.

Stirring with a stick by hand is inadequate.

Pot Life

5 hours @ 20°C & 4 hours @ 25°C

DO NOT use after Pot Life has expired.

Thinning

Brush, Roller

Nil

Spray

10% - 15%

Bare concrete and masonry surfaces thin 20% - 25% for first coat application for penetration and adhesion.

Dilute with EPiC Epoxy 500 Thinners.

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Number of Coats

Brush, Roller	2 Coats
Spray	2 - 3 coats or minimum of 220 microns wet film thickness.

Dry and Re-coat Times

Touch Dry	4-5 hours @ 25°C.
Re-coat	After 5 hours but Within 48 hours. If recoating after 7 days, the surface must be abraded.
Hard Cure	7 days
Clean Up	EPiC Epoxy 500 Thinners
Coverage	8 Sq Metres per litre, depending on surface porosity

All Other Information

Surface Temperatures	Above 5°C and below 30°C.
Safety Precautions	Wear suitable Protective Clothing, Gloves and a suitable Respirator for Spray application. Make sure there is good Air Flow and Ventilation before applying this product.
Slip Hazard	Sealing of smooth and sloping concrete surfaces will reduce pedestrian and vehicle safety. For greater slip reduction a Coarse or Fine 2Pk Anti Slip can be sprinkled on the wet freshly applied surface of the first coat and encapsulated with a subsequent coat of EPiC Epoxy 500. Testing is recommended before proceeding to ensure that a potential slip hazard is avoided. Refer to your Nutech specialist for alternative recommendations on steep, smooth surfaces.

Refer to **EPiC Epoxy 500 MSDS** for Safety and Hazard additional information.

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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.