

Nutech EPiC Range®

Nutech Paint
Data Sheet
Nutech EPiC Range of Products



EPiC Epoxy 500 – Two Pack

Description

Nutech Epoxy 500 is a High Build Two Pack Floor Coating which also provides excellent protection for Concrete and Steel surfaces.

Typical Properties

Appearance	White, clear and colour Viscous liquid.
Volume solids	47.5%
Per Cent Volatiles	52.5%
Specific Gravity	1.07
Solubility in Water	Nil
Minimum Film Forming Temperature	15 deg. C.
Minimum Dry Film Forming Thickness	100 Microns per coat

Features

Nutech Epoxy provides excellent protection against Petrol, Oil, Fatty Oils, Alkail and Efflorescence. It has a high resistance to Corrosion and Abrasion and is impervious to Water and Moisture. It can also be used as a High Build Protective Primer for Metal surfaces but must be Top Coated using Nutech 2 Pack Polyurethane for maximum protection. Epoxy 500 is also rated for food stuffs and can be used in a variety of areas including Restaurants, Hospitals and Supermarkets etc.

Suitable Substrates

Concrete, Stainless Steel, Blasted Steel, Mild Steel, Aluminium, Galvanised Iron, and Masonry surfaces.

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 to 10 Parts Water. Rinse with clean water and allow to completely dry. Painted concrete in poor condition should be Sand Blasted or Stripped Clean and Acid Etched before application.

Mixing Ratio

3 Parts A to 1 Part B by volume. 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

6 - 8 hours depending on the temperature.

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Application

Brush, Roller or Spray.

Equipment Type

High Quality Solvent resistant Fibre brush and a good quality Solvent resistant Roller Sleeve. Spray application will depend on the type of finish required. Do not store mixed product in spray equipment to avoid damage.

NOTE:

For spraying pressures and tip sizes, Applicators should source relevant information from their spray gun suppliers.

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 Nutech Epoxy Solvent

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

2-4 hours depending on the temperature

Re-coat

After 4 hours or Within 24 hours @ 25°C

Hard Cure

7 days

Clean Up

Nutech Epoxy Solvent

Coverage

8 Sq Metres per litre

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All Other Information Surface Temperatures

Above 10°C and below 30°C. Application in cold and moist conditions can cause surface blushing. Heating product before application to 20°C will prevent this.

Safety Precautions

Wear suitable Protective Clothing and avoid contact with skin and eyes. Impervious gloves and a suitable Respirator for Spray application are recommended. Make sure there is good Air Flow and Ventilation before applying this coating.

Epoxy 500 and Epoxy Solvent are highly flammable. Avoid naked flames and all other heat sources including heater and hot water service pilot lights.

Refer to Epoxy 500 MSDS for safety and hazard additional information.

DISCLAIMER:
Warranty and Limitation of liability:

Epic Epoxy 500 – Two Pack NTSD001-V1-0911

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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.