

# Technical Data Sheet PART A & PART B

## EPiC Epoxy 500 PART A

**Product Description** EPiC Epoxy 500 is a high build, 2 pack epoxy floor coating free from harmful isocyanates. It is ideal for a wide variety of applications such as commercial and industrial floors and walls, providing excellent protection to concrete, timber, masonry and primed metal surfaces. EPiC Epoxy 500 has been developed to provide excellent INTERIOR durability with protection against petrol, oil, fatty oils, alkali, acid and efflorescence.

EPiC Epoxy 500 is also food grade compliant and can be used in a variety of areas including restaurants, hospitals and supermarkets.

### EPiC Epoxy 500

**Features:**

- Isocyanate free
- Hard wearing
- Excellent adhesion
- Excellent hardness
- Outstanding chemical resistance
- High resistance to corrosion and abrasion
- Impervious to water and moisture
- Ideal for interior wet areas
- Resistant to bacterial growth

**Safety Precautions:** Observe all Occupation Health and Safety (OH&S) precautions. Refer to the relevant Safety Data Sheets (SDS) for product safety related information.

For further information and support: **Nutech Paint 03 9770 3000**  
[www.nutechpaint.com.au](http://www.nutechpaint.com.au)

***KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION.***

- Vapours are heavier than air. Keep container closed.
- Use only with adequate ventilation.
- Avoid contact with eyes, skin and clothing.
- Wash thoroughly after handling.
- Avoid breathing vapours.
- DO NOT take internally.
- Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations

**Provisions:** Do not apply to surface temperatures below 10°C or Above 30°C and allow for adequate drying time.  
 In cold weather do not overcoat until the first coat is completely dry.

**Chemical Type:** Solvent based, crosslinked epoxy

**Product Attributes** Per Cent Volatiles (VOC): 53%  
 Solubility: Solvent  
 Minimum Film Forming Temperature 5°C.  
 Minimum Dry Film Thickness 100µm per coat

<b>Typical Applications</b>	Interior applications for Domestic & Multi Density Residential, Industrial, Hospitals, Hotels, Swimming Pools, Ponds and Commercial projects	
<b>Appearance</b>	White or colour tinted viscous liquid	
<b>Coverage / Spread Rate</b>	8 - 10 m <sup>2</sup> per litre (per coat) Brush / Roller: 2 Coats Spray: 2 - 3 coats or minimum of 130µm wet film thickness.	
<b>Packaging</b>	4 litre kit, kit 20 litre kit	
<b>Storage</b>	Cool, dry location. Avoid contact with direct sunlight and heat	
<b>Shelf life</b>	Un-mixed, stored 24 months @ 25°C	
<b>Substrate Recommendations:</b>	EPiC Epoxy 500 is suitable for a wide range of substrates such as timber, masonry, brick and metal.	
<b>NOTE</b>	For greater slip resistance, <b>EPiC AntiSlip – Coarse or Fine</b> can be broadcast on the wet freshly applied surface of the first coat and encapsulated with a subsequent coat of <b>EPiC Epoxy 500</b> . 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.	
<b>Mixing/ Thinning</b>	<p><b>Prior to Commencement:</b> Stir thoroughly prior to use.</p> <p><b>Part A:</b> 3 Parts <b>Part B:</b> 1 Part</p> <p>After drill mixing leave to stand for 10 minutes before using to allow full activation.</p> <p><b>Thinning:</b> EPiC Epoxy 500 Thinners</p> <p><i>Note: Stirring by hand with a stirring stick is inadequate to provide a homogeneous mix.</i></p> <p><b>DO NOT store mixed product in spray equipment to avoid damage.</b></p>	
	<b>Brush/Roller Dilution:</b>	<b>Airless Spray Dilution</b>
	<p><b>1<sup>st</sup> Coat:</b> Bare concrete and masonry surfaces thin 20% - 25% for excellent penetration and adhesion.</p> <p><b>2<sup>nd</sup> Coat:</b> No thinning required</p>	<p><b>1<sup>st</sup> Coat:</b> <b>Maximum dilution:</b> : 15%</p> <p><b>2<sup>nd</sup> Coat:</b> <b>Maximum dilution:</b> : 15%</p>
<b>Pot Life (when mixed)</b>	<b>8 hours.</b> DO NOT use after pot life has expired.	
<b>Test Patch</b>	Conduct a small test patch in an inconspicuous area to ensure adequate product performance, substrate porosity and provide an indication of the time required to complete project.	
<b>Substrate note:</b>	All surfaces must be clean and in sound condition. Remove all oil, dirt, grease, flaking paint and contamination. Fill cracks and holes in the surface as required. <b><i>Improperly prepared surfaces may result in coating failure.</i></b>	

**Preparation:**     **New Concrete Surfaces:**  
 Must have a **minimum 28 days to cure and a pH level less than 10**

**Painted Concrete in Poor Condition:**  
 Recommend surface is stripped using **Nu-EcoSafe** range of paint strippers

New & old concrete surfaces	Rusted & weathered steel	Pre-painted surfaces
<p>Must be etched using 1 Part <b>Nu-EcoSafe Etch</b> OR <b>Nu-EcoSafe Ultra Etch</b> to 10 Parts Water. High Pressure Water Blast area &gt;2500Psi and allow to thoroughly dry.</p>	<p>Must be power wire brushed to remove rust, dirt and scale then treated with <b>Nu-EcoSafe Rust</b>, rust converter and inhibitor before applying <b>EPiC Etch Primer</b>.</p>	<p>Tested for compatibility and adhesion prior to application.</p> <p><b>Existing epoxy coatings:</b> Mechanical abrade and clean</p> <p><b>Unknown existing coatings:</b> Determine composition, refer <b>Nutech Coating Test Kit Fact Sheet</b></p>

**Application**     Brush, Roller or Airless Spray

**Number of Coats:**  
**Brush or Roller:** - 2 Coats  
**Airless Spray:** 2 – 3 coats or minimum of 130 microns wet film thickness.

**Drying Time**     @ 25°C ambient conditions 60% relative humidity

**Touch Dry**       **2 – 4 hours**

**Recoat**           **After 4 hours but within 24**  
**NOTE:** If recoating after 7 days, the surface must be abraded.

**Hared Cure**       **7 Days**

**Clean Up**     Protecting Our Environment is important to Nutech Paints:  
 Clean up with **EPiC Epoxy500 Thinners** or dispose of equipment. Do not pour leftover paint down drains or in rubbish bins. Unwanted paint should be kept in a sealed container and then disposed of via special waste collection services.  
 Empty paint containers should be left open in a well ventilated area to dry out. Dispose of empty paint containers in accordance with local authority’s guidelines. Always check with your local council first.

**First Aid**     **SEEK IMMEDIATE MEDICAL ATTENTION.** Refer to the appropriate **Nutech Safety Data Sheet (SDS)** for further information.  
 For medical emergencies only, call: 000

- In case of eye contact, flush thoroughly with water for at least 15 minutes
- In case of skin contact, wash affected areas with soap and water
- Remove and wash contaminated clothing
- If inhalation causes physical discomfort, remove to fresh air
- If breathing difficulty persists seek medical advice
- If product is swallowed or discomfort persists, seek medical advice

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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.

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**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.

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**Disclaimer** 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.'

The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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# Technical Data Sheet PART A & PART B

## EPiC Epoxy 500 PART B

**Product Description** EPiC Epoxy 500 Part B is to be blended in kit form with EPiC Epoxy 500 Part A. For mixing ratio recommendations please refer to the EPiC Epoxy 500 Part A Technical Data Sheet.

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<b>Provisions:</b>	N/A
<b>Chemical Type:</b>	Solvent based Epoxy Crosslinker
<b>Product Attributes</b>	Per Cent Volatiles (VOC): 0% Solubility: Solvent Minimum Film Forming Temperature: 5°C
<b>Typical Applications</b>	Crosslinker for <b>PART A only</b>
<b>Appearance</b>	Clear viscous liquid
<b>Packaging</b>	1 litre, 5litre
<b>Storage</b>	Cool, dry location. Avoid contact with direct sunlight and heat
<b>Shelf life</b>	Stored 12 months @ 25°C
<b>Substrate Recommendations:</b>	N/A - REFER PART A TDS
<b>NOTE</b>	N/A

<b>Mixing/ Thinning</b>	<p><b>Part A:</b> 3 Parts  <b>Part B:</b> 1 Part          After drill mixing leave to stand for 10 minutes before using to allow full activation.  <b>Thinning:</b> EPiC Epoxy 500 Thinners  <b>Maximum Thinner dilution:</b> REFER PART A TDS.</p> <p><i><b>Note:</b> Stirring by hand with a stirring stick is inadequate to provide a homogeneous mix.  <b>DO NOT store mixed product in spray equipment to avoid damage.</b></i></p>
<b>Application</b>	N/A - REFER <b>PART A</b> TDS
<b>Procedure:</b>	N/A -REFER <b>PART A</b> TDS
<b>Drying Time</b>	N/A - REFER <b>PART A</b> TDS
<b>Recoat</b>	N/A - REFER <b>PART A</b> TDS
<b>Clean Up</b>	<p>Protecting Our Environment is important to Nutech Paints:          Clean up with <b>EPiC Epoxy500 Thinners</b> or dispose of equipment. Do not pour leftover paint down drains or in rubbish bins. Unwanted paint should be kept in a sealed container and then disposed of via special waste collection services. Empty paint containers should be left open in a well ventilated area to dry out. Dispose of empty paint containers in accordance with local authority’s guidelines. Always check with your local council first.</p>
<b>First Aid</b>	<p><b>SEEK IMMEDIATE MEDICAL ATTENTION.</b> Refer to the appropriate <i><b>Nutech Safety Data Sheet</b></i> (SDS) for further information.          For medical emergencies only, call: 000</p> <ul style="list-style-type: none"> <li>• In case of eye contact, flush thoroughly with water for at least 15 minutes</li> <li>• In case of skin contact, wash affected areas with soap and water</li> <li>• Remove and wash contaminated clothing</li> <li>• If inhalation causes physical discomfort, remove to fresh air</li> <li>• If breathing difficulty persists seek medical advice</li> <li>• If product is swallowed or discomfort persists, seek medical advice</li> </ul>

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