

# Technical Data Sheet PART A & PART B

## NuPool Epoxy – 2 Pack System PART A

**Product Description** **NuPool Epoxy** is an isocyanate free, high build, 2 pack gloss epoxy pool coating that is impervious to water, providing excellent resistance to scuffing and abrasion as well as protection against fatty oils, alkali, acid and efflorescence. It has been formulated specifically for properly prepared bare concrete pools, fibreglass pools and recoating of aged 2 pack epoxy coated\* concrete and fibreglass swimming pools. **NuPool Epoxy** is available in 13 standard colours

**\*NOTE:** To determine if an existing coating is compatible, refer to the **Nutech Coating Test Kit** for detailed instructions or contact Nutech Paint.

- Features:**
- Outstanding chemical resistance
  - Hard wearing
  - Excellent adhesion & hardness
  - 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**

- Always keep container closed when not in use
- Vapours are heavier than air
- Use only with adequate ventilation and avoid breathing vapours
- Avoid contact with eyes, skin and clothing
- Wash thoroughly after handling
- DO NOT take internally
- Use impervious gloves and eye protection. If the product is being used for extended periods of time and/or in poorly ventilated areas, use approved respiratory protection in accordance with applicable Federal, state and local regulations.

**Provisions:** This coating chemistry has been specifically developed to provide optimum service life performance with chalking part of the natural erosion or sacrificial function of the finish. Prolonged build-up of chalking residue, soluble salts and the abrasive action caused from automated pool cleaners can all have an impact on the long term performance of a pool coating. Refer to the Care and Maintenance Fact Sheet for full maintenance recommendations.

**Notes:** **NuPool Epoxy MUST NOT be applied to existing chlorinated rubber based coatings. Determine the composition of the existing coating PRIOR TO commencement of works. Refer to the Existing Coating Assessment section outlined in this TDS**

**Pool Filling Instructions:** **DO NOT FILL POOL PRIOR TO FULL CURE.** After application, allow 7 days cure prior to filling the pool with water. Once filled adjust chemicals as noted:

- **Total alkalinity:**
  - Light Colours: 140 - 160ppm
  - Dark Colours: 160 - 180ppm
- **pH 7.6 and pH 7.8**
- **Calcium hardness: 250 - 300ppm**
- **Chlorine: Below 3ppm but ideally 1-2ppm**
- **Minimise acid where possible**

<b>Maintenance:</b>	Brush down pool surfaces every 4-6 weeks over the swimming season This is a general recommendation only and is not intended to substitute professional advice. <b>For further maintenance information, refer to the NuPool Care and Maintenance Fact Sheet</b>
<b>Chemical Type:</b>	Solvent based, crosslinked epoxy
<b>Product Attributes:</b>	Per Cent Volatiles (VOC): 40% Solubility: Solvent Minimum Film Forming Temperature 5°C. Minimum Dry Film Thickness 100µm per coat
<b>Typical Applications:</b>	Typical projects include: Domestic residential and commercial swimming pools and ponds
<b>Appearance:</b>	White or coloured viscous liquid
<b>Application:</b>	Brush / Roller: 2 Coats Spray (Professional use only): Where spray application is necessary, apply 2 - 3 coats or minimum of 130µm wet film thickness.
<b>Conditions:</b>	Apply between 10°C and 30°C ambient air temperature
<b>Coverage / Spread Rate:</b>	<b>6 - 8 m<sup>2</sup>/L</b>
<b>Packaging:</b>	4L kit, 10L kit, 20L kit
<b>Storage:</b>	Cool, dry location. Avoid contact with direct sunlight and heat
<b>Shelf life:</b>	Un-mixed, stored 12 months @ 25°C
<b>Substrate:</b>	Refer to the procedure section of this TDS for specific substrate and application recommendations
<b>NOTE</b>	<p><b>PRE EXISTING COATED SURFACES AND POOLS</b>  <b>NuPool Epoxy IS NOT</b> a suitable system to recoat existing chlorinated rubber finishes.  Chlorinated rubber coated surfaces should either be removed using <b>Nu EcoSafe Stripper</b> or recoat using <b>NuPool Chlorinated Rubber</b> top coat.</p> <p>To determining the composition of an existing pool coating prior to recoating is vitally important. Refer: <b>Nutech Coating Test Kit</b> and TDS for further information.</p> <p>For further support or assistance, please contact Nutech Paint.</p>
<b>Anti-Slip Tip:</b>	For pool steps, a thin layer of a Nutech AntiSlip product may be applied by following the instructions in the AntiSlip TDS.
<b>Mixing/ Thinning:</b>	<p><b>Prior to Commencement:</b> Stir product thoroughly prior to use.  <b>Mix: Part A:</b> 3 Parts  <b>Part B:</b> 1 Part  <b>NOTE:</b> Stirring by hand with a stirring stick is inadequate - drill mix is recommended</p> <p>Refer to the Application Guidelines in this TDS for thinning recommendations</p>
<b>Pot Life (when mixed):</b>	<b>4 to 5 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 compatibility, adhesion and adequate product performance.
<b>Substrate note:</b>	<b>All surfaces</b> must be clean and in sound condition. Remove all oil, dirt, grease, flaking paint and contamination. Repair any nonstructural cracks and holes using a suitable filler, for structural cracks (i.e. > 3mm) seek professional assistance.

## NuPool Epoxy – Application Guide Lines

### **PRECAUTIONS:**

**Do not inter-mix with any other products as specific properties may change.**

### **Bare Concrete Preparation:**

**NOTE: Ensure all new concrete has a minimum 28 days to cure prior to coating.**

- Where applicable drain the pool ensuring all residual water is removed and surface is thoroughly dry prior to commencement of works.
- Etch in accordance with the TDS, (**1 Part Nu-EcoSafe Etch OR Nu-EcoSafe Ultra Etch to 5 Parts water**)
- high pressure clean (min. 3000psi), remove residual wash water and allow to thoroughly dry.

### **Application - Bare concrete surfaces (Brush/ Roller):**

**1<sup>st</sup> Coat – Mix: Part A: 3 Parts Part B: 1 Part**

Drill mix for 5 minutes. Allow the mixed paint to stand for 5 minutes.

**Add: 20% EPiC Epoxy500 Thinners** (First coat only) Stir for 1 minute prior to immediate use.

**2<sup>nd</sup> Coat – Mix: Part A: 3 Parts Part B: 1 Part**

Drill mix for 5 minutes. Allow the mixed paint to stand for 5 minutes.

**DO NOT thin 2<sup>nd</sup> coat.** Stir for 1 minute prior to immediate use.

### **Pre-Coated Pool Surfaces:**

When recoating, determine the composition of coating prior to commencement of works. Refer **Nutech Coating Test Kit**.

**NOTE:** Chlorinated rubber coatings **SHOULD NOT** be coated with NuPool Epoxy.

For further technical assistance contact Nutech Paint

### **Pre-coated 2 pack epoxy surface preparation:**

- Remove all flaking or peeling paint either by water blasting or mechanical abrasion.
- Degrease using **Nu-EcoSafe Degreaser** in accordance with the TDS and high pressure clean (min. 3000psi) and allow to thoroughly dry.
- Mechanically abrade (min. P100 grit) the surface ensuring an adequate key
- Remove any residual dust and debris and re-wash using **Nu-EcoSafe Degreaser** in accordance with the TDS and high pressure clean (min. 3000psi) and allow to thoroughly dry.

### **BARE or EXPOSED FIBREGLASS:**

Any bare/ exposed fibreglass must be “spot applied” with NuPool and allowed to fully cure. Sand with P220 Grit sand paper until smooth.

If fibres are still present re-spot apply, cure and sand until fibres are no longer present.

**Note: Improperly prepared surfaces may result in coating failure.**

### **New Gel Coated Fibreglass Preparation:**

- Abrade Gelcoat with P180 – P220 Grit sand paper ensuring not to break through the Gelcoat.
- If spot repair is required, refer to the substrate notes of this TDS.
- Degrease using **Nu-EcoSafe Degreaser** in accordance with the TDS and high pressure clean (min. 3000psi), remove residual wash water and allow to thoroughly dry.

### **Old Coated Fibreglass Preparation:**

- Drain the pool ensuring all residual water is removed and surface is thoroughly dry prior to commencement of works.
- Abrade Gelcoat with P180 – P220 Grit sand paper ensuring not to break through the Gelcoat.
- If spot repair is required, refer to the substrate notes of this TDS.
- Degrease using **Nu-EcoSafe Degreaser** in accordance with the TDS and high pressure clean (min. 3000psi) and allow to thoroughly dry.

### **Application: Pre-coated and fibreglass pools (Brush/ Roller)**

**1<sup>st</sup> Coat – Mix: Part A: 3 Parts Part B: 1 Part**

Drill mix for 5 minutes. Allow the mixed paint to stand for 5 minutes.

**DO NOT thin.** Stir for 1 minute prior to immediate use.

**2<sup>nd</sup> Coat – Mix: Part A: 3 Parts Part B: 1 Part**

Drill mix for 5 minutes. Allow the mixed paint to stand for 5 minutes.

**DO NOT thin.** Stir for 1 minute prior to immediate use.

### **Spray Application (All substrates)**

**FOR PROFESSIONAL USE ONLY – Observe all OH&S regulatory requirements for 2 pack paints.**

**1<sup>st</sup> & 2<sup>nd</sup> Coats – Mix: Part A: 3 Parts Part B: 1 Part**

Drill mix for 5 minutes. Allow the mixed paint to stand for 5 minutes.

**Add: 10 - 15% EPiC Epoxy500 Thinners.** Stir for 1 minute prior to immediate use.

**To avoid damage DO NOT store mixed product in spray equipment.**

<b>Drying Time</b>	Ambient conditions @ 25°C and 60% relative humidity
<b>Touch Dry</b>	4 hours
<b>Recoat</b>	After 5 hours but within 72 hours. <b>NOTE: If recoating after 72 hours the surface must be abraded.</b>
<b>Hard Cure:</b>	7 Days (Refer filling note)
<b>Clean Up</b>	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.
<b>First Aid</b>	<b>SEEK IMMEDIATE MEDICAL ATTENTION.</b> Refer to the appropriate <b>Nutech Safety Data Sheet</b> (SDS) for further information. For medical emergencies only, call: 000 <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 discomfort persists, breathing difficulty occurs or if swallowed, seek medical advice</li> </ul>
<b>Warranty</b>	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.
<b>Limitation of Liability</b>	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.
<b>Disclaimer</b>	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

## NuPool Epoxy 2 Pack System **PART B**

**Product Description** NuPool Epoxy Part B is an isocyanate free crosslinker / hardener to be blended in kit form with NuPool Epoxy Part A.

**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

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- Vapours are heavier than air.
- Use only with adequate ventilation and avoid breathing vapours.
- Avoid contact with eyes, skin and clothing.
- Wash thoroughly after handling.
- DO NOT take internally.

Use impervious gloves and eye protection. If the product is being used for extended periods of time and/or in poorly ventilated areas, use approved respiratory protection in accordance with applicable Federal, state and local regulations.

**Provisions:** N/A

**Chemical Type:** Solvent based crosslinker

**Product Attributes** Per Cent Volatiles (VOC): 37%  
Total VOC (g/Litre): 370  
Solubility: Solvent  
Minimum Film Forming Temperature: N/A Refer Part A TDS

**Typical Applications** Crosslinker for **PART A only**

**Appearance** Clear viscous liquid

**Packaging** 1L, 2.5L, 5 L

**Storage** Cool, dry location. Avoid contact with direct sunlight and heat

**Shelf life** Stored 12 months @ 25°C

**Substrate**

**Recommendations:** N/A - REFER PART A TDS

**Mixing/ Thinning** **Part A:** 3 Parts  
**Part B:** 1 Part  
REFER PART A TDS for mixing and thinning recommendations.

**Application** N/A - REFER **PART A** TDS

**Procedure:** N/A -REFER **PART A** TDS

**Drying Time** N/A - REFER **PART A** TDS

<b>Recoat</b>	N/A - REFER <b>PART A TDS</b>
<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.</p> <p>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 <b>Nutech Safety Data Sheet</b> (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 discomfort persists, breathing difficulty occurs or if swallowed, seek medical advice</li> </ul>
<b>Warranty</b>	<p>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.</p> <p>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.</p> <p>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.</p>
<b>Limitation of Liability</b>	<p>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.</p>
<b>Disclaimer</b>	<p>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.</p> <p>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.</p>

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