



Technical Data Sheet PART A & PART B

NuPool Epoxy – 2 Pack System **PART A**

Product Description **NuPool Epoxy** is an isocyanate free, high build gloss epoxy coating that is impervious to water and moisture.

NuPool Epoxy provides high resistance to abrasion, whilst also providing excellent protection against fatty oils, alkali, acid and efflorescence.

NuPool Epoxy is ideally suited as a quality swimming pool coating for bare concrete pools, fibreglass pools and recoating aged 2 pack epoxy coated pools.

NuPool Epoxy is available in 13 standard colours and can be custom colour matched upon request.

NuPool Epoxy

Features:

- Isocyanate Free
- Excellent adhesion
- Excellent hardness
- Outstanding chemical resistance
- Hard wearing
- High resistance to corrosion and abrasion
- Will resist bacterial growth
- Easy application by brush, roller or spray

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

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: After coating, allow 7 days prior to filling the pool with water. Once filled adjust chemicals as noted:

- Between pH 7.6 and pH 7.8.

Total alkalinity between;

- **Light colours:** 140-160 ppm
- **Dark colours:** 160-180ppm
- **Calcium hardness:** 250-300ppm
- Minimise acid where possible.

Brush down pool surfaces every 4-6 weeks over the swimming season.



Chemical Type:	Solvent based, crosslinked epoxy
Product Attributes	Per Cent Volatiles (VOC): 49 - 51% Solubility: Solvent Minimum Film Forming Temperature 5°C. Minimum Dry Film Thickness 100 microns per coat
Typical Applications	Typical projects include: Domestic Residential and Commercial Swimming Pools and Ponds.
Appearance	White or coloured viscous liquid
Application	Brush / Roller: 2 Coats Spray (Professional use only): Where spray application is necessary, apply 2 - 3 coats or minimum of 130 microns wet film thickness.
Conditions	Apply between 15°C and 30°C ambient air temperature
Coverage / Spread Rate	6 - 8 m²/L
Packaging	4L kit, 10L kit, 20L kit
Storage	Cool, dry location. Avoid contact with direct sunlight and heat.
Shelf life	Un-mixed, stored 12 months @ 25°C
Substrate	Refer to the procedure section of this TDS for specific substrate and application
Recommendations:	recommendations.
NOTE	Existing chlorinated rubber coated pools: Determining the composition of an existing pool coating prior to recoating is vitally important. Refer: Nutech Coating Test Kit and TDS for further information. NuPool Epoxy IS NOT a suitable system to recoat existing chlorinated rubber finishes. Chlorinated rubber coated surfaces should either be removed using Nu EcoSafe Stripper or recoat using NuPool Chlorinated Rubber . For further support or assistance please contact Nutech Paint.
Tip:	For pool steps, a thin layer of a Nutech AntiSlip product may be applied by following the instructions in the AntiSlip TDS.
Mixing/ Thinning	Prior to Commencement: Stir product thoroughly prior to use. NOTE: Stirring by hand with a stirring stick is inadequate - Drill mix recommended <u>Bare concrete surfaces (Brush/ Roller):</u> 1st 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 Epoxy Thinners (First coat only) Stir for 1 minute prior to immediate use. 2nd 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 2nd coat. Stir for 1 minute prior to immediate use.



Pre coated and fibreglass pools (Brush/ Roller):

1st 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.

2nd 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 (Professional Use Only)

1st & 2nd 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 Epoxy Thinners.** Stir for 1 minute prior to immediate use.

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

Pot Life

(when mixed)

4 to 5 hours. DO NOT use after pot life has expired.

Test Patch

Conduct a small test patch in an inconspicuous area to ensure compatibility, adhesion and adequate product performance.

Substrate note:

All surfaces 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) consult professional help.

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.

Procedure:

Bare Concrete Preparation:

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

- 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) and allow to thoroughly dry.

Pre-Coated Pool Surfaces:

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

When recoating, determine the composition of coating. Refer **Nutech Coating Test Kit** OR contact Nutech Paint for further assistance.



Concrete Pre-coated 2 pack epoxy preparation:

- Drain the pool ensuring all residual water is removed and surface is thoroughly dry prior to commencement of works.
- 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.
- Etch in accordance with the TDS, (**1 part Nu-EcoSafe Etch OR Nu-EcoSafe Ultra Etch to 5 parts water**)
- Mechanically abrade (min. P100 grit) the surface ensuring an adequate key

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) 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:

In accordance with the mixing/ thinning and substrate guidelines of this TDS; mix parts A & B along with thinner where required and apply via the desired method. Apply the 1st and 2nd coats observing drying and recoat times.

Drying Time

Touch Dry: 2 - 4 hours @ 25°C.

Recoat

After 5 hours but within 72 hours.

NOTE: If recoating after 72 hours, the surface must be abraded.

Hard Cure:

7 days

Clean Up

Protecting Our Environment is important to Nutech Paints:

Clean up with **EPiC Epoxy 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. If irritation persists.
- Remove and wash contaminated clothing.
- If inhalation causes physical discomfort, remove to fresh air.
- If discomfort persists, or any breathing difficulty occurs or if swallowed seek medical advice.

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.

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.

Nutech

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Technical Data Sheet PART A & PART B

NuPool Epoxy 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.

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Provisions:

Chemical Type: Solvent based crosslinker

Product Attributes Per Cent Volatiles (VOC): 37%
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
Recoat	N/A - REFER PART A TDS
Clean Up	Protecting Our Environment is important to Nutech Paints: Clean up with EPiC Epoxy 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 <ul style="list-style-type: none">• 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. If irritation persists.• Remove and wash contaminated clothing.• If inhalation causes physical discomfort, remove to fresh air.• If discomfort persists, or any breathing difficulty occurs or if swallowed seek medical advice.



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.

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.'

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