

# Nutech Concrete Range

Nutech Paint technical data sheet



## NuPool 2K Epoxy pool coating

### Description

NuPool is a high build two component gloss epoxy coating that is impervious to water and moisture and is suitable for use as a quality swimming pool coating for new concrete pools or recoating aged 2K epoxy coated pools. NuPool comes in 13 standard colours and can also be special ordered in many other colours.

### Can be applied to

- Aged, new and existing bare, etched concrete pools
- Cured, sanded 2K epoxy pool coatings in clean, sound condition

### Important things to note before you start

- New concrete needs to age 28 days from date of pour or construction
- Bare concrete must be etched with **Nu Ecosafe Concrete Etch** (see tech sheet)
- Check the weather forecast for a suitable, generous application window
- NuPool two pack epoxy is NOT suitable for direct exposure to UV
- All old, chalking, loose and blistered paint must be removed prior to start
- **This product is NOT SUITABLE for recoating chlorinated rubber surfaces**
- Suitable application temperature range is between 10c – 30c

For the correct preparation procedure for your type of pool follow either **Repainting aged 2K EPOXY COATINGS** or **Painting BARE CONCRETE** or contact your local Nutech Paint consultant for coating other types of substrates.

### Repainting aged 2K EPOXY COATINGS

Follow the steps in the aged 2K EPOXY COATINGS table on the following pages

### Painting BARE CONCRETE

Follow the steps in the bare concrete table on the following pages

**EXTREME SLIP HAZARD WARNING – New epoxy paint finishes are incredibly slippery when WET and should NOT be walked on at anytime regardless of the type of footwear worn if the surface is wet or moisture is present.**

**Important Safety precautions** – Avoid breathing vapours and avoid contact with eyes and skin. Full personal protective equipment is to be used as detailed in the NuPool safety data sheet SDS. Please read the SDS before using this product

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## NuPool 2K Epoxy pool coating Repainting AGED 2K Epoxy

Repainting AGED 2K EPOXY COATINGS	Important points	Equipment/conditions needed
Pump out all pool water	Ensure pool pump & cleaning equipment are switched off/unplugged	Portable high volume water pump
The entire pool must be cleaned with Nu-EcoSafe High Strength Degreaser and thoroughly rinsed	Repeat task if pool is heavily soiled until clean This ensures removal of Suntan oils, dirt, scum and chemical residue.	A high-pressure water blaster >2000 Psi is recommended before Grinding
<b>DO NOT ALLOW degreasers and acid solutions to dry on the surface before rinsing to avoid coating adhesion problems later.</b>		
Pump out all waste water	Repeat task as needed after cleaning	Portable high volume water pump
Remove left over water	Remove all water	Sponge and buckets
Allow to dry 2 – 3 days	Check forecast	Good weather
Sand/abrade entire surface of aged epoxy coating removing all loose, damaged paint to create a sound, stable substrate	Area must be thoroughly sanded for correct adhesion of the NuPool epoxy coating	Grinding machine Zec 30 grinding disc
Make spot/surface repairs	Only if required	***Cementous/PUR***
Vacuum area to remove all loose dirt, foreign objects and debris	Make the surface is clean & free of dirt, dust, debris and contaminants	Industrial grade vacuum cleaner with a soft bristle vacuum head
Create safe mixing area	Next to pool	Drop sheets or cardboard & masking tape
Mix first coat of NuPool Ratio 3 : 1 *** Check for compatibility with your local Nutech Paint consultant***	Add Part B hardener to Part A epoxy paint	1 x NuPool 2K Epoxy kit (A+B)
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## NuPool 2K Epoxy pool coating

### Repainting AGED 2K Epoxy

Repainting AGED 2K EPOXY COATINGS	Important points	Equipment/conditions needed
Drill mix together	Hand mixing insufficient	1 x Drill mixer
Add Epoxy 500 thinner	Add 20% for first coat	EPIC Epoxy 500 thinner
Drill mix together	Hand mixing insufficient	1 x Drill mixer
Allow paint to sit 10 min	Induction time required	Time
Apply 1 <sup>st</sup> Coat of NuPool	Cut in with paint brushes first then roll 1 <sup>st</sup> coat ensuring a full/complete coat is applied	Long handled roller 12–20mm nap roller sleeves depending on surface finish Paint brushes
Allow 1 <sup>st</sup> coat to dry	min 5 hours @20c max 48 hours @ 20c	Time & good weather temperatures
Mix 2nd coat of NuPool Ratio 3 : 1	Add Part B hardener to Part A epoxy paint	1 x NuPool 2K Epoxy kit (A+B)
Drill mix together	Hand mixing insufficient	1 x Drill mixer
Allow paint to sit 10 min	Induction time required	Time
Apply 2 <sup>nd</sup> Coat of NuPool	Cut in with paint brushes first then roll 2 <sup>nd</sup> coat ensuring a full/complete coat is applied	Long handled roller Spare roller covers Paint brushes
Apply <b>Nutech Coarse Anti slip</b> to the <b>step treads</b> by broadcasting evenly onto wet surface of 2 <sup>nd</sup> coat. Apply a 3 <sup>rd</sup> coat of NuPool to these areas within the allowed recoat window	<b>The use of Nutech Coarse Anti slip on step treads is STRONGLY RECOMMENDED as the surface is extremely slippery when wet.</b>	<b>Nutech Coarse Anti slip</b> Technical data sheet
Allow paint to cure for 7 days	Do not add water for 7 days	Time

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## NuPool 2K Epoxy pool coating

### Painting BARE CONCRETE

Painting BARE CONCRETE	Important points	Equipment/conditions needed
Pump out all pool water	Ensure pool pump & cleaning equipment are switched off/unplugged	Portable high volume water pump
Pressure clean concrete pool surface	Repeat task if pool is heavily soiled until clean	Pressure cleaner >3 >3000 PSI
Pump out all waste water	Repeat task as needed after cleaning	Portable high volume water pump
Mix Nu Ecosafe Concrete etch	5 parts water 1 Part etch	Nu Ecosafe Concrete Etch Technical data sheet
Apply Nu Ecosafe Concrete etch	read Nu Ecosafe Concrete etch tech data sheet for correct application	Nu Ecosafe Concrete Etch Plastic watering can
Pressure clean concrete to neutralise Ecosafe etch	start from the top edge of the pool and work downwards	Pressure cleaner >3000 PSI
Pump out all waste water	very important to remove all etch residue	Portable high volume water pump
Remove left over water	Remove all water	Sponge and buckets
Allow to dry 2 – 3 days	Check forecast	Good weather
Make spot/surface repairs	Only if required	***Cementous/PUR***
Vacuum area to remove all loose dirt, foreign objects and debris	Make the surface is clean & free of dirt, dust, debris and contaminants	Industrial grade vacuum cleaner with a soft bristle vacuum head
Create safe mixing area	Next to pool	Drop sheets or cardboard & masking tape
Mix first coat of NuPool Ratio 3 : 1	Add Part B hardener to Part A epoxy paint	1 x NuPool 2K Epoxy kit (A+B)
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## NuPool 2K Epoxy pool coating

### Painting BARE CONCRETE

Painting BARE CONCRETE "continued"	Important points	Equipment/conditions needed
Drill mix together	Hand mixing insufficient	1 x Drill mixer
Add Epoxy 500 thinner	Add 20% for first coat	EPIC Epoxy 500 thinner
Drill mix together	Hand mixing insufficient	1 x Drill mixer
Allow paint to sit 10 min	Induction time required	Time
Apply 1 <sup>st</sup> Coat of NuPool	Cut in with paint brushes first then roll 1 <sup>st</sup> coat ensuring a full/complete coat is applied	Long handled roller 12–20mm nap roller sleeves depending on surface finish Paint brushes
Allow 1 <sup>st</sup> coat to dry	min 5 hours @20c max 48 hours @ 20c	Time & good weather temperatures
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Apply <b>Nutech Coarse Anti slip</b> to the <b>step treads</b> by broadcasting evenly onto wet surface of 2 <sup>nd</sup> coat. Apply a 3 <sup>rd</sup> coat of NuPool to these areas within the allowed recoat window	<b>The use of Nutech Coarse Anti slip on step treads is STRONGLY RECOMMENDED as the surface is extremely slippery when wet.</b>	<b>Nutech Coarse Anti slip</b> Technical data sheet
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## NuPool 2K Epoxy pool coating

### Technical summary

NuPool 2K Epoxy coating	Specifications
Number of coats	2 coats
Equipment	Apply by Brush or Roller.  2 <sup>nd</sup> coat can be sprayed with recommended airless equipment if desired
Mixing ratio 3:1	3 Parts A 1 Part B + add 20% EPIC Epoxy thinner to 1 <sup>st</sup> coat
Coverage	8 square metres per litre per coat depending on the porosity of the surface
Recoat time @ 20c	Min 5 hours up to 48 hours max
Ability to repaint	Only after 7 days curing Sanding entire 2K Epoxy surface is required as per repainting aged 2K Epoxy Coatings
Wet film thickness	220 microns
Pot life	5 hours @ 20c 4 hours @ 25c Do not use after pot life has expired
Application temperature	Between 10c – 30c Do not apply NuPool outside of this range
Cleaning up equipment	Use EPIC Epoxy 500 thinner
Hard cure	7 days
Touch dry	4-5 hours @25c
Surface temperature range	Above 5c and below 30c
Solvent based	Yes
Flammability	Highly Flammable – avoid naked flames, pilot lights and other sources of ignition
<b>Refer to NuPool 2K Epoxy SDS</b>	<b>For safety and hazard information</b>

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## NuPool 2K Epoxy pool coating

### Frequently asked questions

**Q – What happens if it rains a few days after application and the pool fills up with water?**

**A –** Using a pump remove the water from the pool as quickly as possible to enable the curing process to resume.

**Q – What if my pool is painted with something that is NOT 2K Epoxy, can I still recoat my pool with NuPool?**

**A –** The existing paint including pools painted in Chlorinated rubber MUST be totally removed by either mechanically sanding or by using Nu Ecosafe Industrial Strip (refer to Nu Ecosafe Industrial Strip Tech sheet). Once the pool has been stripped back to 100% bare concrete it can be painted as per the bare concrete procedure.

**Q - If I apply the first coat of NuPool in the late afternoon, can I apply the 2<sup>nd</sup> coat early in the morning?**

**A –** NuPool is best applied between 20c – 25c for optimum drying and it always important to have drying times within this temperature range if possible.

**Q – What happens if I accidentally did not use Part A or Part B in my first coat of NuPool, can I just add it in the 2<sup>nd</sup> coat?**

**A –** Absolutely not, the first coat will need to be removed completely. Removal method will depend on the substrate that was painted over. Please contact Nutech Paint directly for advice on the correct path forward before proceeding.

**Q – What happens if I run out of NuPool and only have enough for one coat or a partial second coat?**

**A –** Two full coats of NuPool is required for a sound, quality finish. Anything less is expected to fail prematurely due to not meeting the minimum requirements. Always consult the staff at your point of purchase for the correct amount of NuPool required for the job and always have the width, length and depth measurements so that the store staff can help you calculate the amount of NuPool required.

**Q – Can I use a different NuPool 2K Epoxy colour as a third coat to highlight or paint in stencilled pictures for decoration?**

**A –** Yes, provided you apply within the recoat time application window

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## NuPool 2K Epoxy pool coating

### **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.