

Technical Data Sheet PART A & PART B

UltraGlo PolyGlo **PART A**

Product Description

ULTRAGLO PolyGlo is a high build two pack luminescent (glow in the dark) epoxy coating which has been developed specifically for INTERIOR & EXTERIOR applications and can be applied to a wide range of substrates such as concrete, masonry and metal.

ULTRAGLO PolyGlo benefits from proven durability, performance and provides excellent hardness and scuff resistance.

ULTRAGLO PolyGlo is an Isocyanate free coating and is safer to use compared to traditional 2 pack polyurethane finishes.

ULTRAGLO PolyGlo is a cost effective, passive safety solution for buildings or factories where marking of equipment or egress paths in low visibility is required.

ULTRAGLO PolyGlo

Features:

- Glow in the dark finish
- Isocyanate Free
- Hard wearing finish
- Excellent adhesion
- Excellent hardness
- High resistance to Corrosion and Abrasion
- Impervious to Water and Moisture.
- 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.

- 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:

Luminescence: The period of luminescence the coating will exhibit will be directly attributed to the amount of light absorbed insitu - min. 100 Lumens. This may vary depending on the light source and hours of exposure.

Chemical Type:

Solvent based Polyurethane

Product Attributes	Per Cent Volatiles (VOC): 60% Solubility: Solvent Minimum Film Forming Temperature: 10°C. Minimum Dry Film Thickness 60 Microns per coat
Typical Applications	Typical projects include: Domestic & Multi Density Residential, Industrial, Hospitals and Commercial projects where hazards or egress identification is required in diminished or subdued lighting conditions. (Eg. During a black-out).
Appearance	White or colour tinted viscous liquid
Coverage / Spread Rate	8 - 10 sq. metres per litre / coat Brush / Roller: 2 Coats Spray: 2 - 3 coats or minimum of 220 microns wet film thickness.
Packaging	1 litre kit, 4 litre, kit 20 litre kit
Storage	Cool, dry location. Avoid contact with direct sunlight and heat
Shelf life	Un-mixed, stored 24 months @ 25°C
Substrate Recommendations:	ULTRAGLO EpoxyGlo is suitable for a wide range of substrates such as timber, masonry, brick, metal.
NOTE	For greater slip resistance, EPiC AntiSlip – Coarse or Fine can be broadcast on the wet freshly applied surface of the first coat and encapsulated with a subsequent coat of ULTRAGLO PolyGlo . 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.
Mixing/ Thinning	<p>Prior to Commencement: Stir thoroughly prior to use.</p> <p>Part A: 3 Parts</p> <p>Part B: 1 Part</p> <p>After drill mixing leave to stand for 10 minutes before using to allow full activation.</p> <p>Thinning: X-5 Solvent</p> <p>Maximum Thinner dilution;</p> <p>Brush/Roller: Nil</p> <p>Spray: 10% - 15%</p> <p>Bare concrete and masonry surfaces thin 20% - 25% for first coat application for excellent penetration and adhesion.</p> <p>Note: <i>Stirring by hand with a stirring stick is inadequate to provide a homogeneous mix. DO NOT store mixed product in spray equipment to avoid damage.</i></p>
Pot Life (when mixed)	8 hours. DO NOT use after Pot Life has expired.

Test Patch	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.
Substrate note:	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. <i>Improperly prepared surfaces may result in coating failure.</i>
Application	Brush Roller Airless Spray
Procedure:	<i>Do not apply to surface temperatures below 10 Deg. C or Above 30 Deg. C and allow for adequate drying time.</i> <i>In cold weather do not overcoat until the first coat is fully dried.</i> Pre-painted surfaces: should be tested for compatibility and adhesion prior to over coating. See Nutech Coating Test Kit Fact Sheet <ul style="list-style-type: none"> • New concrete must have a <i>PH level less than 10 and had a minimum 28 days to cure.</i> • New and old concrete should be etched using 1 Part Nu-EcoSafe Concrete Etch to 10 Parts Water. • High Pressure Water Blast area (>2500Psi) and allow to completely dry. • Painted concrete in poor condition should be stripped using our Nu-Ecosafe range of paint strippers and Nu-EcoSafe Concrete Etch before application. Number of Coats: Brush or Roller: - 2 Coats Spray: 2 – 3 coats or minimum of 130 microns wet film thickness.
Drying Time	Touch Dry: 2 - 4 hours @ 25°C.
Recoat	After 4 hours but Within 24 hours. <i>NOTE:</i> If recoating after 7 days, the surface must be abraded.
Hard Cure:	7 days
Clean Up	Protecting Our Environment is important to Nutech Paints: Clean up with X-5 Solvent 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.
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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.

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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PTY LTD**

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Technical Data Sheet PART A & PART B

UltraGlo PolyGlo **PART B**

Product Description	ULTRAGLO PolyGlo Part B is to be blended in kit form with ULTRAGLO PolyGlo Part A . For mixing ratio recommendations please refer to the ULTRAGLO PolyGlo Part A Technical Data Sheet.
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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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Provisions:	
Chemical Type:	Solvent based crosslinker
Product Attributes	Per Cent Volatiles (VOC): 59% Solubility: Solvent Minimum Film Forming Temperature: 5°C
Typical Applications	Catalyst for PART A only
Appearance	Clear viscous liquid
Packaging	250ml, 1 litre 15litre
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
NOTE	N/A

Mixing/ Thinning	<p>Part A: 3 Parts Part B: 1 Part</p> <p>After drill mixing leave to stand for 10 minutes before using to allow full activation.</p> <p>Thinning: X-5 Solvent Maximum Thinner dilution; REFER PART A TDS</p> <p><i>Note: Stirring by hand with a stirring stick is inadequate to provide a homogeneous mix. DO NOT store mixed product in spray equipment to avoid damage.</i></p>
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	<p>Protecting Our Environment is important to Nutech Paints: Clean up with X-5 Solvent 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>
First Aid	<p>SEEK IMMEDIATE MEDICAL ATTENTION. Refer to the appropriate <i>Nutech Safety Data Sheet</i> (SDS) for further information. For medical emergencies only, call: 000</p> <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	<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.</p> <p>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>
Limitation of Liability	<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>
Disclaimer	<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>
