

# Technical Data Sheet PART A & PART B

## UltraGlo AquaFloor - Passive Safety Coating System PART A

<b>Product Description</b>	<p><b>UltraGlo AquaFloor</b> is a high strength, water based, low VOC, isocyanate free 2 pack coating which provides glow in the dark luminescence for concrete and other surfaces. It is a cost effective passive safety solution for marking of equipment and emergency egress paths in all buildings and factories.</p> <p>The <b>UltraGlo AquaFloor Passive Safety Coating System</b> consists of an UltraGlo AquaFloor Colour Base and UltraGlo AquaFloor Clear Top Coat.</p>
<b>UltraGlo AquaFloor Features:</b>	<ul style="list-style-type: none"> <li>• Impervious to water and moisture</li> <li>• Excellent exterior durability</li> <li>• Luminescent properties</li> <li>• Excellent adhesion &amp; hardness</li> <li>• Safe and easy application by brush, roller or spray</li> <li>• Excellent protection against petrol, oils, alkali, acid and efflorescence</li> </ul>
<b>Safety Precautions:</b>	<p>Observe all Occupation Health and Safety (OH&amp;S) precautions.</p> <p>Refer to the relevant Safety Data Sheets (SDS) for product safety related information.</p> <p>For further information and support: <b>Nutech Paint 03 9770 3000</b>  <a href="http://www.nutechpaint.com.au">www.nutechpaint.com.au</a></p>
<b>Provisions:</b>	<p>Luminescence Time: The period of luminescence the coating will provide will be directly attributed to the amount of light absorbed insitu. This will depend on the light source and hours of exposure. It is recommended that the coating system is exposed to a minimum 100 Lumen of light.</p>
<b>Chemical Type:</b>	Water based polyurethane
<b>Product Attributes</b>	<p>Percent Volatiles (VOC) : &lt;10%</p> <p>Solubility: Water</p> <p>Minimum Film Forming Temperature: 10°C</p> <p>Minimum Dry Film Thickness: <b>UltraGlo Aquafloor Base Coat: 220µm</b>  <b>UltraGlo Aquafloor Clear Coat: 500µm</b></p>
<b>Typical Applications</b>	<p>Typical projects include:</p> <p>Walls, stairs equipment and egress paths for Domestic &amp; Multi Density Residential, Industrial, Commercial, Restaurants, Hospitals, Supermarkets, Service Stations and Workshops where excellent durability where low VOC and glow in the dark luminescence are required.</p>
<b>Appearance</b>	Opaque or colour tinted viscous liquid
<b>Coverage / Spread Rate</b>	<p><b>Base Colour: 8 - 10m<sup>2</sup>/L</b></p> <p><b>Clear: 2 – 4 m<sup>2</sup>/L</b></p> <p>Note: Coverage will depend on the porosity and roughness of the surface.          To maximise performance do not over spread.</p>
<b>Packaging</b>	<b>Part A 4L, 10L, 20L</b>

<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>	<b>UltraGlo AquaFloor Passive Coating Safety System</b> is suitable for a wide range of substrates such as concrete, timber, masonry, brick and pre-primed metals.	
<b>NOTE</b>	<p>For greater slip resistance, <b>AntiSlip Cast On – 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>UltraGlo AquaFloor Clear</b>.</p> <p>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.</p>	
<b>Mixing/ Thinning</b>	<b>Prior to Commencement:</b> Stir products thoroughly	
	<b>UltraGlo Aquafloor Base (Colour)</b>  <b>Part A:</b> 4 Parts <b>Part B:</b> 1 Part Drill mix and leave to stand for 10 minutes before using to allow full activation. <i><b>Note:</b> Stirring by hand with a stirring stick is inadequate to provide a homogeneous mix</i>  <b>Thinning:</b> Clean fresh water <b>Brush/Roller 1<sup>st</sup> Coat:</b> Bare concrete and masonry surfaces dilute 20% - 25%  <b>Brush/Roller 2<sup>nd</sup> Coat:</b> Nil  <b>Spray:</b> Dilute 10% - 15% (2 Coats)	<b>UltraGlo Aquafloor Clear</b>  <b>Part A:</b> 4 Parts <b>Part B:</b> 1 Part Drill mix and leave to stand for 10 minutes before using to allow full activation. <i><b>Note:</b> Stirring by hand with a stirring stick is inadequate to provide a homogeneous mix</i>  <b>Thinning:</b> Clean fresh water <b>Brush/Roller 1<sup>st</sup> Coat:</b> Nil  <b>Brush/Roller 2<sup>nd</sup> Coat:</b> Nil  <b>Spray:</b> Dilute 10% - 15% (2 Coats)
<b>Pot Life (when mixed)</b>	2 Hours @ 25°C <b>DO NOT</b> use after pot life has expired <b>DO NOT store mixed product in spray equipment to avoid damage</b>	
<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:** For further recommendation on other substrates, contact Nutech Paint

New Concrete Surfaces: (UltraGlo AquaFloor Base Colour)	Pre-painted surfaces: (UltraGlo AquaFloor Base & Clear)	Rusted / weathered steel: (UltraGlo AquaFloor Base & Clear)
<p>Must have a minimum 28 days to cure and pH less than 10.</p> <p><u>Surface must be etched.</u> Refer <b>Nu-EcoSafe Etch</b> or <b>Nu-EcoSafe Ultra Etch</b> TDS.</p> <p><b>Old bare concrete surfaces:</b></p> <p>Clean surface with <b>Nu-EcoSafe Degreaser</b> Refer TDS Etch surface. Refer <b>Nu-EcoSafe Etch</b> or <b>Nu-EcoSafe Ultra Etch</b> TDS.</p> <p>High Pressure Water Blast area (&gt;2500Psi) and allow to dry thoroughly</p>	<p>Test for compatibility and adhesion prior to over coating. <b>See Nutech Coating Test Kit Fact Sheet</b></p> <p>Clean surface with <b>Nu-EcoSafe Degreaser</b>. Refer TDS</p> <p>High Pressure Water Blast area (&gt;2500Psi) and allow to dry thoroughly</p> <p>Painted concrete in poor condition should be stripped using <b>Nu-EcoSafe</b> range of paint strippers and <b>Nu-EcoSafe Concrete Etch</b> prior to application.</p>	<p>Clean surface with <b>Nu-EcoSafe Degreaser</b>. Refer TDS and allow to dry thoroughly.</p> <p>Must be power wire brushed to remove rust, dirt and scale. Remove any residual dust, dirt and debris and clean as required.</p> <p>Treat with <b>Nu-EcoSafe Rust</b>, rust converter and inhibitor. Refer TDS</p>

**Application:** Brush, Roller or Airless Spray  
***Do not apply to surface temperatures below 10°C or Above 30°C. Observe recoat and dry times. In cold conditions do not overcoat until the first coat is completely dry.***

Number of Coats:

**Brush or Roller:**

**UltraGlo AquaFloor Base Colour:** 2 coats to achieve a minimum DFT 220µm. Observe dry times

**UltraGlo AquaFloor Clear:** 2 – 3 coats or minimum of 500µm. Observe dry times

**Spray:** (use a coarse filter mesh)

**UltraGlo AquaFloor Base Colour:** 2 coats to achieve a minimum DFT 220µm. Observe dry times

**UltraGlo AquaFloor Clear:** 2 – 3 coats or minimum of 500µm. Observe dry times

**Drying Time:** @ 25°C 60% relative humidity

**Touch Dry:** 6 - 8 hours

**Recoat:** After 8 hours ideally within 24 hours  
 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 clean water. 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>	<p><b>SEEK IMMEDIATE MEDICAL ATTENTION.</b> Refer to the appropriate <b>Nutech Material Safety Data Sheet (MSDS)</b> for further information.</p> <p>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, or any 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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# Technical Data Sheet PART A & PART B

## UltraGlo AquaFloor - Passive Safety Coating System **PART B**

<b>Product Description</b>	<b>UltraGlo AquaFloor Part B</b> is to be blended in kit form with <b>UltraGlo AquaFloor Part A Colour Base and Clear</b> . For mixing ratio recommendations please refer to the <b>UltraGlo AquaFloor Part A</b> Technical Data Sheet.
<b>Safety Precautions:</b>	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: <b>Nutech Paint 03 9770 3000</b> <a href="http://www.nutechpaint.com.au">www.nutechpaint.com.au</a>
<b>Provisions:</b>	N/A
<b>Chemical Type:</b>	Water based Crosslinker
<b>Product Attributes</b>	Per Cent Volatiles (VOC): 0% Solubility: In Water Minimum Film Forming Temperature: 10 Deg.C.
<b>Typical Applications</b>	Crosslinker for <b>PART A</b>
<b>Appearance</b>	Clear viscous liquid
<b>Packaging</b>	0.8Lt, 2Lt, 4Lt,
<b>Storage</b>	Cool, dry location. Avoid contact with direct sunlight and heat
<b>Shelf life</b>	Stored 24 months @ 25°C (Or relevant to specific Product)
<b>Substrate Recommendations:</b>	N/A - REFER PART A TDS
<b>Mixing/ Thinning</b>	<b>Part A:</b> 4 Parts <b>Part B:</b> 1 Part For specific application requirements, refer Part A TDS
<b>Application</b>	N/A - REFER PART A TDS
<b>Procedure:</b>	N/A -REFER PART A TDS
<b>Drying Time</b>	N/A - REFER PART A TDS
<b>Recoat</b>	N/A - REFER PART A TDS

<b>Clean Up</b>	<p>Protecting Our Environment is important to Nutech Paints:          Clean up with clean water 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 Material Safety Data Sheet</b></i> (MSDS) 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, or any breathing difficulty occurs or if swallowed seek medical advice</li> </ul>
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<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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