



# Technical Data Sheet

## NXT AquaGuard

<b>Product Description</b>	<p><b>NXT AquaGuard</b> is a solvent free, water based, high build, nanotechnology, modified organic polymer system, developed specifically by Nutech Paint as an exterior grade 100% waterproofing membrane.</p> <p><b>NXT AquaGuard</b> has been designed for application to external surfaces to protect against water ingress and weathering. <b>NXT AquaGuard</b> provides a hard yet flexible surface that resists fungi, algae growth, salt and carbon attack with added water beading and contamination resistance, for the life of the coating.</p> <p><b>NXT AquaGuard</b> is available in a low sheen finish and a range of 36 standard colours and clear tintable bases</p>
<b>NXT AquaGuard Features:</b>	<ul style="list-style-type: none"><li>• 10 year manufacturer's warranty*</li><li>• High strength weatherproof protective membrane</li><li>• High build, elastomeric functionality for general roofing substrates</li><li>• Will remain cleaner for longer</li><li>• 100% waterproof under seasonal ponding water* conditions</li><li>• For used on vertical and horizontal surfaces</li><li>• User friendly, non-hazardous and is easily cleaned up with water</li><li>• Resistant to light foot traffic</li></ul> <p>*NXT AquaGuard is not affected by ponding water, however: The National Roofing Contractors Association considers ponding water on any roof unacceptable. (Refer the NRCA Roofing and Waterproofing Manual)</p> <p>*Warranty details available upon request</p>
<b>Safety Precautions:</b>	<p>Observe all Occupation Health and Safety (OH&amp;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></p>
<b>Provisions:</b>	<p><b>NXT AquaGuard</b> IS NOT designed for use as an exposed membrane under vehicular or heavy foot traffic</p> <p><b>Roof Applications:</b> <b>NXT AquaGuard</b> is to be applied to surfaces with appropriate falls and drainage.</p> <p><b>NXT AquaGuard</b> IS NOT designed to be immersed or applied to subterranean areas. Product while in its wet state will clean up with water. Once the product has dried it will need to be removed by mechanical means.</p>
<b>Chemical Type:</b>	Organic polymer
<b>Product Attributes</b>	PH: 8.5 - 9.0 VOC (Material): < 6 g/litre Solubility: Soluble in Water Minimum Film Forming Temperature: 10 °C
<b>Typical Applications</b>	Flat Roofs, Facades, Parapet Walls, Silos, General Surfaces exposed to weather



<b>Coverage / Spread Rate</b>	<ul style="list-style-type: none"><li>When using Nutech High Build Asphalt Bleed blocking primer and <b>NXT AquaGuard</b> applied at a rate of <b>4.5 – 5.7 m<sup>2</sup>/L</b> (91 -115 m<sup>2</sup>/ per 20 litre) @2 Coats.</li><li>When applying <b>NXT AquaGuard</b> without a primer, <b>2.25 – 3.0 m<sup>2</sup>/L</b> (45 - 60 m<sup>2</sup>/per 20 litre) @ 2 Coats.</li></ul>
<b>Appearance</b>	White or Coloured Viscous liquid
<b>Packaging</b>	20L, 200L
<b>Storage</b>	Dry area at room temperature, avoiding humidity and frost
<b>Substrate Recommendations:</b>	Suitably primed horizontal or vertical surfaces
<b>Mixing/ Thinning</b>	<b>Prior to Commencement:</b> Stir lightly prior to use. Thinning not required.
<b>Test Patch</b>	When recoating an existing coating, conduct a test patch to check intercoat adhesion. If the existing coating is peeling or flaking refer to the Nutech Roof Coating Manual, existing painted surface.
<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>
<b>Application</b>	Brush Roller Airless Spray 20-30 thou spray tip.
<b>Procedure</b>	<b>NOTE:</b> Tile pointing must be adequately cured in cold weather prior to coating to ensure adhesion. Weather conditions must be favourable as rain, moisture or dew may cause damage to the coating. Application in extreme hot or cold temperatures will affect gloss and durability. Nutech Paints recommends <b>NXT AquaGuard</b> is applied by Trained Professionals. (Where applicable) Any damaged pointing should be repaired with <b>Nutech MaxiPoint</b> as outlined in the MaxiPoint TDS. <b>Primer Application:</b> Refer to the <b>TECHNICAL ADDENDUM of this TDS</b> or contact your Nutech Paint representative for the best product for your project. <b>Top Coat:</b> <ul style="list-style-type: none"><li><b>1<sup>st</sup>:</b> Apply 1 even coat of <b>TileFlex</b> allowing a <u>minimum 4 hours</u> prior to recoat.</li><li><b>2<sup>nd</sup>:</b> Apply 1 even coat</li></ul>
<b>Drying Time</b>	Dry Film <b>24 hours</b> Weatherproof ( <b>Vertical</b> ) 24 hours Weatherproof ( <b>Horizontal</b> ) 72 hours
<b>Recoat</b>	Recoat 4 hours minimum, at cooler temperatures or higher humidity, drying times will be extended.



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**Clean Up** Protecting Our Environment is important to Nutech Paints:  
Clean up with cold water away from drains. Do not pour leftover paint down the drain. 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.

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**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.

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**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.

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**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.

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# Nutech

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## Technical Addendum – Primer Recommendations

	Substrate	Primer recommendations
<b>TERRACOTTA ROOF TILES</b> Refer to Nutech Roof Coating Guidelines	<b>Glazed, Semi Glazed and Unglazed Terracotta Tiles</b>	Apply 1 coat of Nutech - Elite - <b>Terracotta Prime H2O</b> @ 12 m <sup>2</sup> /L.
<b>CONCRETE ROOF TILES</b> Refer to Nutech Roof Coating Guidelines	<b>Powdery Oxidised Surface</b>	Apply 1 coat of <b>Nutech SupaPrime</b> @ 4 m <sup>2</sup> /L.
	<b>Smooth Stable Surface</b>	Apply 1 coat of <b>Nutech SupaPrime</b> or <b>MasterSealer</b> @ 4 m <sup>2</sup> /L.
	<b>Rough Sandy Surface</b>	Apply 1 coat of <b>Nutech GP Primer</b> @ 4 square metres per litre.
	<b>Glossy New Cement Tiles</b>	Apply 1 coat of high build <b>Nutech NuBond</b> @ 4 m <sup>2</sup> /L.
<b>SHEET METAL</b> Mechanically remove all loose surface rust and scale, inspect overlaps and replace damaged sheets & fixing prior to priming.	<b>Galvanised &amp; Zinalume</b>	Spot apply <b>Nutech Rust Converter</b> as required. Apply 1 coat of <b>Nutech Anti Corrosive Metal Primer</b> @ 6 m <sup>2</sup> /L.
	<b>Pre-coated &amp; Painted Metal Sheeting</b>	Apply 1 coat of <b>Nutech Anti Corrosive Metal Primer</b> @ 6 m <sup>2</sup> /L.
<b>ASBESTOS &amp; CEMENT SHEET</b> Refer to Nutech Asbestos Sheet Guidelines	<b>Cement sheeting and Asbestos sheeting in good, stable condition</b>	Apply 1 saturation coat of <b>Nutech Asbestos Primer</b> @ 4 m <sup>2</sup> /L.  Overcoat with one coat of coloured <b>Nutech Waterproof Flexible Acrylic Membrane</b> @ 4 m <sup>2</sup> /L.
<b>TIMBER AND WOOD</b> Refer to Nutech Timber Painting Guidelines	<b>New &amp; weathered timber</b>	Apply 1 coat of Nutech Undercoat applied @ 10 to 15 m <sup>2</sup> /L depending on surface conditions.
	<b>Previously painted timber</b>	Test adhesion of existing paint. If adhesion is adequate, apply 1 coat of <b>Nutech Undercoat</b> applied @ 10 to 15 m <sup>2</sup> /L. Sand glossy or weathered oil-based paint before undercoating.
<b>ASPHALT SHINGLES &amp; SHEET</b> Refer to Nutech Roof Coating Guidelines	<b>New and weathered surfaces</b>	Apply 1 coat of Asphalt Primer @ 3 to 4 m <sup>2</sup> /L.

**For further information or support:** Contact your Nutech Paint representative.