



Technical Data Sheet

NXT Cool Zone

Product Description **NXT Cool Zone** is an advanced development of Nutech Paint's 45+ years' experience in developing and manufacturing coating technology that sets new standards in roof coating performance.

NXT Cool Zone is an innovative, nanotechnology modified acrylic polymer coating designed to substantially lower surface friction to significantly reduce dirt retention and ultimately, aide in the self-cleaning ability of the coating. What's more, **NXT Cool Zone** utilises the latest exterior grade ultra high durability fade resistant and Infrared reflective pigments which are highly resistant to chemicals, UV light and heat.

NXT Cool Zone offers outstanding long-term exterior durability which will stay cleaner and retain colour and gloss longer than any conventional acrylic roof coating on the market.

NXT Cool Zone is available in High Gloss or Low Sheen finishes in 46 standard shades and can be custom colour matched - upon request.

NXT Cool Zone

Features:

- 12 year manufacturer's warranty*
- Outstanding durability against the harsh Australian environment
- Advanced aesthetic properties with self-cleaning nanotechnology
- IR heat reflective, ultra high durability coating
- 100% waterproof
- Water based
- Low VOC
- Excellent resistance to surface spoilage bacteria
- Excellent resistance to moss and Lichen

*Details available upon request

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

Provisions:

Application Conditions:

- Only apply between 10°C and 30°C ambient air temperatures.
- Ensure no surface moisture is present prior to application.
- Consideration must be given to other climatic conditions such as wind and relative humidity

DO NOT overcoat Primers or Undercoats until the undercoat is completely dry. Coating in very hot conditions may reduce gloss appearance and durability.

Failure to observe these provisions may affect coating adhesion.

Chemical Type: Water based exterior durable acrylic

Product Attributes PH: 8.5 - 9.0
VOC (Material): < 75 g/litre
Solubility: Soluble in Water
Minimum Film Forming Temperature: 10 °C



Appearance	Opaque white or coloured viscous liquid
Coverage / Spread Rate	4m²/L per coat. Film Thickness (two coats) 180-200 microns (dry film) To maximise performance do not over spread.
Packaging	4L 10L, 20L, 200L, 1000L
Storage	Cool, dry location. Avoid contact with direct sunlight and heat
Shelf life	Stored 24 months @ 25°C
Substrate Recommendations:	Suitably primed surfaces, including Concrete & Terracotta Roof tiles, Sheet Metal, Asbestos & Cement Sheet, Timber & Wood and Asphalt Shingles & Sheet.
NOTE	DRINKING WATER COLLECTION Always disconnect water tanks before cleaning and coating. Thoroughly flush gutters and allow several good rains to remove all overspray before reconnecting tanks.
Mixing/ Thinning	Prior to Commencement: Stir thoroughly prior to use. Thinning Not required or recommended.
Test Patch	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.
Substrate Note:	Treating moss and lichen prior to cleaning will minimise cleaning time. Nutech Hypo and Nu-EcoSafe MossRid are recommended. All bare surfaces must be cleaned and primed. High pressure clean using a <u>minimum of 3000psi</u> . <i>Improperly prepared surfaces may result in coating failure.</i>
Application	Brush Roller Airless Spray (Recommended)
Procedure:	NOTE: 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 NXT is applied by Trained Professionals. (Where applicable) Any damaged pointing should be repaired with Nutech MaxiPoint as outlined in the MaxiPoint TDS. Primer Application: Refer to the TECHNICAL ADDENDUM of this TDS or contact your Nutech Paint representative for the best product for your project. Top Coat: <ul style="list-style-type: none">• 1st: Apply 1 even coat of NXT allowing a <u>minimum 4 hours</u> prior to recoat.• 2nd: Apply 1 even coat
Drying Time	Dry Film 24 hours Weatherproof (Vertical) 24 hours Weatherproof (Horizontal) 72 hours
Recoat	4 hours minimum. Drying times will vary depending on ambient temperatures or high humidity.



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.

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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Nutech Paint
For a perfect finish!

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>



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Nutech

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Technical Addendum – Primer Recommendations



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

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