

Technical Data Sheet

NXT e-Zone

Product Description: **Nutech NXT e-Zone** is a signal pack water-based copolymer acrylic emulsion formulated to be sprayed internally on the underside of the roof deck. When applied, **Nutech NXT e-Zone** creates an effective barrier against radiant heat that will stop up to 77% of the potential radiant energy transfer into the attic. This coating creates a cooler attic space during summer, lowering the temperature and improving the comfort of living and working spaces below. **NXT e-Zone** also provides the benefit of working in reverse during winter, helping to retain warmth. Heat is prevented from escaping through the roof; retaining the warmth and further reducing energy costs.

Nutech NXT e-Zone Features:

- Effectively achieves an emissivity rating of: e-0.23
- Fast and easy to apply
- Reduce cooling costs in summer and heating costs in winter
- Cost-effective solution to that of other attic insulation systems
- Will not increase attic moisture or disrupt attic-mounted antennae or cell phone reception

Safety Precautions: This product is intended for use only by professional applicators in industrial environments.
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
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:**
- **Minimum of 25.4mm of airspace is required**
 - DO NOT topcoat
 - DO NOT tint.
 - Avoid handling once coated

Chemical Type: Copolymer acrylic

Product Attributes: Total VOC (Material): < 50 g/litre
pH: 8.5 – 9.0
Solubility: Soluble in Water
Minimum Film Forming Temperature: 10°C.
Minimum Film Thickness (dry): 20 - 25 microns

Appearance Colour is metallic silver

Coverage rates	6 – 12 m²/L per coat Actual coverage rates may vary depending on the type of substrate, texture and porosity, with higher coverage rates expected on metal substrates.
Typical Applications	Commercial, multi density and domestic applications where improved energy efficiency is required. Plywood, underside of roof decking.
Packaging	signal pack
Shelf life	12 months when properly stored
Storage	Store in original containers in a clean, dry area between 4 and 32° C. Keepaway from direct sunlight. Keep from freezing.

Performance Testing	PROPERTY	RESULTS	TEST METHODS
	emissivity value	0.23	ASTM C 1371

Test values obtained under laboratory controlled conditions.

Substrates:	Wood, Metal, Masonry and Concrete including; chipboard, primed or coated metal roofing
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Mixing	<ul style="list-style-type: none"> • DO NOT thin • Mix thoroughly for 5 minutes with a Festo type mixer prior to use.
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Application	Airless Spray: (Recommended) Pressure is 2,000psi. Spray pump size 3/4 GPM or greater Tip size, 0.019 to 0.021" (0.48 to 0.53 mm). Roller: Use a 3/8" (9.5 mm) synthetic-nap roller cover. Brush: Use a nylon/polyester device.
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Procedure	<p>Wood: Remove all surface contaminants where practical with an appropriate cleaner. Apply to a clean, dust-free, dry surface. No need to prime.</p> <p>Metal: Remove all surface contaminants by washing with Nu-EcoSafe Degreaser.</p> <ul style="list-style-type: none"> • Rust and mill scale must be removed using sandpaper, steel wool or other abrading methods. <p>Masonry & Concrete:</p> <ul style="list-style-type: none"> • Remove all surface contaminants and clean • Apply to clean, dust-free, dry surface. No need to prime
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Drying Time	Dry times based on ambient conditions @ 25°C and 60% relative humidity. Dry times will be increased in lower temperatures or higher humidity.
Touch Dry	2 Hours
Full Cure	24 Hours

Clean Up Protecting Our Environment is important to Nutech Paints:
Clean up hands and equipment with fresh warm water or dispose of equipment. Do not pour left over 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 guidelines. Always check with your local council first.

First Aid **SEEK IMMEDIATE MEDICAL ATTENTION.** Refer to the appropriate ***Nutech Material Safety Data Sheet*** (MSDS) 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.
- Remove and wash contaminated clothing.
- If inhalation causes physical discomfort, remove to fresh air.
- If swallowed, breathing difficulty occurs or any discomfort persists, seek medical advice.

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

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.'

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.