



Technical Data Sheet

Barrier Coat

Product Description: Barrier Coat is a flexible, elastomeric, high quality acrylic emulsion coating developed specifically for uneven and porous surfaces. It is a hard wearing, flexible membrane coating designed for sealing and waterproofing.
Barrier Coat does not require over coating or top coating and can be supplied in a low build or high build formulation.

Barrier Coat

- Features:**
- Excellent colour retention & colour range
 - Excellent adhesion
 - Mould & fungus resistant
 - Excellent water & weather proof performance
 - Resistant to frost and thawing salts
 - Improved hardness and flexibility
 - Low VOC formulation

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: **IMPORTANT NOTE:**
Where applicable, all surfaces must be free of hydrostatic pressure and continual wetting.

Movement Joints, Bridging Cracks or Over Joints (Where applicable):
When bridging structural joints or cracks, a layer of chopped strand fibreglass or polyester matting must be embedded into the first "wet" coat and overcoated with two top coats of **Barrier Coat**. Expansion joints should be filled or sealed after application and cure.

Chemical Type: Elastomeric acrylic emulsion

Product Attributes: pH: > 9
Percent VOC: <3%
Solubility: Water
Minimum Film Forming Temperature: 15°C.
Minimum Film Thickness (dry):
Smooth: 200µm, Low Build: 350 µm, High Build: 550 µm

Typical Applications: Internal and external surfaces for Domestic & Multi Density Residential, Industrial and Commercial uses where elastomeric barrier coatings are required.

Appearance: Milky white or coloured viscous liquid

Coverage rates: Membrane – Smooth, low build surface 2 0.36 L/m² 200 microns
Membrane - Low build surface 2 0.67 L/ m² 350 microns
Membrane - High Build surface 3 1.00 L/ m² 550 microns

Packaging: 4L, 20L, 200L

Storage: Cool, dry location. Avoid contact with direct sunlight and heat.

Shelf life: Stored 24 months @ 25°C

Suitable Substrates: Concrete, masonry, asphalt, metal, timber and other similar surfaces

Mixing: **Prior to Commencement:** Stir thoroughly prior to use.



Maximum dilution: Nil

Test Patch: Conduct a small test patch to ensure adequate product performance and adhesion.

Substrate notes: Refer application guidelines of this TDS

Application: Brush
Roller
Spray (low build only)

Drying Time: 200µm @ 25°C, RH 60% ambient conditions

Touch Dry: 2 Hours

Recoat: 4 hours

Full Cure: 12 hours

Note: Higher film builds, low temperature or high humidity will extend drying parameters.

Preparation Guidelines All substrates must be clean, free of loose material, grease, efflorescence salts, mould, fungi, form oil, mastic compounds, silicone or other foreign matter prior to coating with **Barrier Coat**. Surfaces must be free of hydrostatic pressure and continual wetting. **A minimum two coats of membrane are essential for permanent results. Lay the membrane on rather than brushing out thinly.**

Mouldy Surfaces

Scrub or scrape clean all surfaces and apply **Nutech Hypo**. Thoroughly wash or high-pressure water clean (Min. 2500 PSI). Allow to thoroughly dry and repair damaged areas as required.

Sound Previously Painted OR Primed Surfaces:	Metals:	Powdery Paintwork, Absorbent Masonry & Crumbling Walls:	Other Substrates:
<p>Wash old paintwork to clean the surface, sand or wire brush old coatings to achieve a sound surface. Note: Gloss surfaces <u>Must be sanded</u> to provide an adequate key.</p> <p>Over coating Membrane: Apply one coat of Nutech Barrier Coat to a clean dry surface at 0.36 square meters per litre.</p>	<p>Iron, Steel, Galvanised & Zincalume Surfaces: Remove excessive oil or grease with Nutech Nu-EcoSafe Degreaser. Prime with one coat of Nutech EPiC Anti-Corrosive Prime.</p> <p>Rusty Steel or Iron: Remove all loose rust and paint. Apply in accordance with the TDS Nu-Ecosafe Rust converter & Inhibitor, prior to priming with one coat of Nutech EPiC Anti-Corrosive Primer</p> <p>Aluminium & Copper Apply one coat of Nutech EPiC Etch primer to a clean dry surface before coating with Barrier Coat.</p>	<p>Remove loose material and repair where applicable. Apply one coat of SupaPrime in accordance with the relevant TDS at 0.1 litres/m².</p> <p>Concrete, Brickwork, Cement: Remove loose material and repair defects. Smooth trowelled surfaces should be acid etched with Nutech Nu-Ecosafe Etch. Rinse thoroughly and allow to dry thoroughly. Apply Nutech SupaPrime to a dry surface at 0.1 litres per square meter per litre.</p>	<p>Timber/ wood Apply: Graphenstone Ambient Pro – Elite Four 2 Four Primer.</p> <p>Asphalt or Bitumen: Apply one coat of Nutech Barrier Coat to sound firm, non-tacky surfaces. For improved filling or levelling, add fine washed sand (equal parts by weight sand to Barrier Coat) to the first two coats. Allow each coat to dry thoroughly before overcoating.</p>

Application Guide lines: *A minimum two coats of membrane are essential for permanent results.*

- Lay the membrane on rather than applying thinly
- Two different colours may be used to facilitate easy application
- Suitable application techniques include spray (Low build only), roller or brushing
- Apply coats at right angles to prior coat



Post Application Guidelines:	<ul style="list-style-type: none">• Prevent the coating from freezing for no less than 48 hours.• Prevent from saturation with water for no less than 24 hours at 20°C.• At lower temperatures or increased film thickness significantly longer curing times may be required.• Avoid excessive abrasion for a minimum of 7 days.
Clean Up:	Protecting Our Environment is important to Nutech Paints: Clean up with cold water away from drains. Do not pour leftover paint down drains. 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 Material Safety Data Sheet (MSDS) for further information for medical emergencies only, call: 000 <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• 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	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.
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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