

Technical Data Sheet

Barrier Coat

Description:	Barrier Coat is an elastomeric acrylic membrane coating designed to provide both decorative and functional performance, which can also be used as a base coat prior to top coating with the range of acrylic Nutech Paint Roof Coating systems. Available in a low or high build formulation, Barrier Coat has been developed specifically to seal and waterproof a range substrates and end use applications such as roofs, walls and wet areas whilst providing a hard wearing, durable coating.
Features:	<ul style="list-style-type: none"> • Excellent adhesion • Low VOC formulation • Mould & fungus resistant • Excellent water & weather proof performance • Resistant to frost and thawing salts • Improved hardness and flexibility
Safety	Observe all Occupation Health and Safety (OH&S) precautions.
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:	<p>IMPORTANT NOTE: Barrier Coat is not suitable for areas under hydrostatic pressure or continual wetting/ submersion.</p> <p>Movement Joints, Bridging Cracks or Over Joints (Where applicable): When bridging structural joints or cracks, a layer of chopped strand fibreglass or Nutech Reinforcing Fabric 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.</p>
Chemical Type:	Elastomeric acrylic emulsion
Product	pH: > 9
Attributes:	Percent VOC: <3% Solubility: Water Minimum Film Forming Temperature: 15°C Minimum Film Thickness (dry): Low Build, Smooth Surface 200µm (2 Coats) Medium Build surface 350µm (2 Coats) High Build Surface 550µm (2 Coats)
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:	Low Build, Smooth Surface 0.36 L/m ² 200µm (2 Coats) Medium Build surface 0.67 L/m ² 350µm (2 Coats) High Build Surface 1.00 L/m ² 550µm (2 Coats)
Packaging:	4L, 20L, 200L
Storage:	Cool, dry location. Avoid contact with direct sunlight and heat
Shelf life:	Stored 24 months @ 25°C
Recommended 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 or Roller Spray (For low build only)
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.

Moss and Mouldy Surfaces

Apply **Nutech Hypo** or **Nutech MossRid** in accordance with the relevant TDS. Thoroughly high-pressure water clean (Min. 2500PSI). 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:	<p>A minimum two coats of membrane are essential for enduring results.</p> <ul style="list-style-type: none"> • Preferred application technique by roller. Spray (Standard build only) • Lay the membrane on and avoid light application, observing the relevant application rates • Two different colours may be used to facilitate easy application where required • Apply coats at right angles to previous coat • For trafficable areas, the addition of Anti-Slip Cast on can be hand broadcast into the 2nd wet 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

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

Touch Dry: 2 Hours

Recoat: 4 hours

Fill Cure: 12 hours

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

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

- 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

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Disclaimer: The information provided in 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 Nutech Paint. 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.

Any recommendation or suggestion relating to the use of the products made by Nutech Paint, 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.

Warranty: Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
