Flexible Acrylic Waterproof Membrane Fact Sheet

Description

Nutech Flexible Membrane is a high quality acrylic emulsion coating designed as a decorative, flexible, elastomeric coating for sealing and waterproofing roofs, walls and wet areas. The surface is a hard wearing and durable coating recommended for concrete, masonry, asphalt, metal and other similar surfaces. The coating is also recommended as a textured architectural finish coat for internal and external surfaces including blue board, cement sheet, brick and concrete walls. The coating can be supplied in a range of decorator colours. The product does not require over coating or top coating. Nutech Membrane is supplied in a low build and high build formulation.

Typical Properties

Appearance:	White or coloured thixotropic liquid
Total Solids Content:	60%
pH:	above 9
Per Cent Volatiles:	Nil
Specific Gravity:	1.4
Solubility In Water:	Soluble
Minimum Film Forming Temperature:	15°C.
Packaging Sizes:	4, 20, and 200 litre containers

Recommended Application Rate

	Coats	Application Rate	Minimum Film Thickness (Dry)
Nu-Prime	1	0.1 L/sq.m	N/A
Membrane – Smooth surface	2	0.36 L/sq.m	200 microns
Membrane – Low Build surface	2	0.67 L/sq.m	350 microns
Membrane – High Build surface	3	1.00 L/sq.m	550 microns

Applications & Features

The coating provides excellent waterproofing and durability performance. Surfaces coated with the Membrane perform exceptionally under all conditions provided correct surface preparation is ensured. Nutech Membrane provides excellent protection against bacteria and mould and contains only highly durable pigments and fillers. Where bridging cracks or over joints occur a layer of chopped strand fibreglass or polyester matting must be embedded into the first coat of Membrane for additional strength and reinforcing. Other features include:

- Excellent colour retention & colour range
- Water & weather proof performance
- Improved ultra violet light resistance
- Resistant to frost and thawing salts
- Excellent adhesion and mould/fungus resistance
- High build coating for porous and uneven surfaces
- Water vapour permeable
- Improved hardness and flexibility
- Range of colours available
- Single pack, low odour & solvent free

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Application Guidelines

All substrates must be clean, free of loose material, grease, efflorescence salts, mould, fungi, form oil mastic compounds, silicon or other foreign matter before coating with membrane. 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. 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.

Iron, Steel, Galvanised & Zincalume Surfaces

Remove excessive oil or grease. Prime with one coat of Nutech Anti Corrosion Metal Primer.

Rusty Steel or Iron

Remove all loose rust and paint. Apply Nutech Rust Converter before priming with one coat of Nutech Anti-Corrosion Primer.

Aluminum & Copper

Apply one coat of etch primer to a clean dry surface before coating with Membrane.

Sound Previously Painted Or Primed Surfaces

Wash old paintwork to clean the surface, sand or wire brush old coatings to achieve a sound surface. Not recommended for coating gloss surfaces without sanding.

Wood

Apply Nutech Timber Undercoat. Treat as a painted surface.

Powdery Paintwork

Remove loose material if possible. Apply one coat of Nutech Nu-Prime at 0.1 litres per square metres.

Absorbent Masonry

Apply one coat of Nutech Nu-Prime at 0.1 litres per square metre.

Concrete, Brickwork, Cement

Remove loose material and repair defects. Smooth trowelled surfaces should be acid etched with a 10:1 solution of water and Hydrochloric Acid. Rinse thoroughly and apply Nutech Nu-Prime to a dry surface at 0.1 litres per square metres per litre.

Crumbling Walls

Remove loose material, repair and prime with Nutech Nu-Prime at 0.1 litres per square metre.

Over coating Membrane

Apply one coat of membrane to a clean dry surface at 0.36 square metres per litre.

Movement Joints

When bridging structural joints or cracks, a layer of chopped strand fibreglass or polyester matting must be embedded into the first coat and overcoated with two top coats of membrane. Expansion joints should be filled or sealed after application of the membrane.

Mouldy Surfaces

Scrub or scrape clean all surfaces and apply a biocidal wash. Scrub or scrape clean all surfaces and apply Nutech Hypo. Thoroughly wash or high-pressure water clean. Repair damaged areas and allow to dry thoroughly.

Asphalt or Bitumen

Apply one coat of Membrane to sound firm, non-tacky surfaces. For improved filling or levelling add fine washed sand (equal parts by weight sand to membrane) to the first two coats. Allow each coat to dry completely before overcoating.

Refer to Nutech Material Safety Data Sheet for additional safety and user information.

Post Application Guidelines

Prevent the coating from freezing for not less than 48 hours and from saturation with water for not less than 24 hours at 20°C.

At lower temperatures significantly longer curing times may be required.

Avoid excessive abrasion for a minimum of 7 days. Warranties may be rendered void if this protection is not provided.

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DISCLAIMER: Warranty and Limitation of liability:

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 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.

4 Keppler Circuit Seaford Victoria Australia 3198
770 3000 Fax: +61 3 9775 1680
Website: www.nutech.com.au Email: sales@nutech.com.au

NUTECH PAINT THOMASTOWN 216 Settlement Road Thomastown Victoria Australia 3074 Tel: +61 3 9465 5111 Fax: +61 3 9465 5222
NUTECH PAINT SYDNEY 18 South Street Rydalmere NSW Australia 2116 Tel: +61 2 9638 7089 Fax: +61 2 9638 7911
NUTECH PAINT BRISBANE 3325 Pacific Highway Slacks Creek QLD Australia 4127 Tel: +61 7 3808 4222 Fax: +61 7 3290 2366
NUTECH PAINT WESTERN AUSTRALIA 1/43 Felspar Street Welshpool WA Australia 6106 Tel: +61 8 9458 2111 Fax: +61 8 9451 6004
NUTECH PAINT UK Tel: +44 (0)141 945 2005