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## NURADECK - TECHNICAL DATA SHEET

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### SEAMLESS ELASTIC DECK/ROOF COATING

### ACRYLIC ELASTOMER LIQUID MEMBRANE

#### DESCRIPTION AND AREAS OF USE

Liquid applied, seamless mastic with an outstanding balance of ease of use, elastic recovery, driven rain resistance, and long term durability and developed principally as a high build acrylic membrane which in combination with chopped strand fibreglass matt forms the basis of Nuralite Nuradeck decking & roofing system. Nuradeck is also an extremely effective semi-elastic high build wall coating in its own right and has found significant use for ensuring weather tightness against common hair-line cracking problems of solid plaster substrates for example but without the ultimate elastic "live-crack" bridging performance and cost of alternative **Nuracoat 300**. The all-acrylic resin nature of the product provides an unlimited choice of aesthetic finish, and unsurpassed ultraviolet and weather durability.

- o Excellent tensile strength, true stretch and recovery for permanent crack bridging without wrinkling or rupture.
- o Total and permanent resistance to wind driven rain.
- o In-film biocidal protection to restrict degradative mould and fungus growth.
- o Full recoatability and ease of maintenance and repair.
- o Fundamentally high adhesion to all common building material surfaces.
- o Barrier properties sufficient to prevent or halt concrete degradation due to carbon dioxide, chloride ion or "acid rain" ingress.
- o True acrylic polymer technology with superior longevity and durability of key performance parameters.
- o Waterborne for ease and safety of use and cleanup, and free from gross solvent hazard and pollution.
- o Standard finish is an aesthetically pleasing satin gloss - colour choice is unlimited.

Winter grade formulation available.

#### NURADECK

The properties of this product are such to allow simple, environmentally friendly and cost effective systems for weather and waterproofing of common exterior deck, patio and flat roofing. Nuradeck forms a permanent semi-elastic skin that combined with fibreglass reinforcement gives a tough and long wearing surface satisfactory for pedestrian traffic areas together with freedom of colour choice and long term aesthetic maintenance guaranteed by use of the best acrylic technology available. Deck/roof surfaces should be constructed in accordance with the NZBC, and aided by the BRANZ publication 'Good Membrane Roofing Practice'. Paying particular attention to the requirement that they must be sloped to be self-draining and not ponding, clean, dry and free of any friable weakness and appropriately primed, and then progressively coated to give a final high build laminate of Nuradeck reinforced with fibreglass matt. **Not for use in water retaining structures.**

## SPECIFICATION DATA

**Viscosity:** (Brookfield 6/10/200 C) 30,000 centipoise.

## DRY FILM

**Recommended Dry Film Build:** 7-800 micrometres

**Gloss & Colour:** Low gloss. Colour choice unlimited.

**Elongation:** @20°C = 100 % minimum (unreinforced).

**Tensile Strength:** 0.3 MPa.

**Water Swelling:** 24 hours 20 %

**Water Pondage (7 days):** No water transmission.

**Water Vapour Permeability:** Equivalent Air Layer Sd <0.5 metres (maximum 2 metres required).

**Carbon Dioxide Diffusion:** Equivalent Air Layer Sd >350 metres (minimum 50 metres required).

Packaging:	15 litre plastic resealable pails of concentrate
Shelflife	12 months minimum unopened
Specific Gravity	1.35
Shipping weight	21 kgs
Volume solids	50%
Expected Spread Rate	0.66m <sup>2</sup> per litre in combination with 300gm "E-Matt" fibreglass reinforcement

## HEALTH AND SAFETY

Non-Flammable. Alkaline-avoid eye and skin contact.

*The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.*