

NURADECK C - TECHNICAL DATA SHEET

SEAMLESS DECK/ROOF COATING

CEMENTITIOUS ACRYLIC LIQUID MEMBRANE

DESCRIPTION AND AREAS OF USE

Liquid applied, seamless mastic with an outstanding balance of ease of use, flexible recovery, exceptional water resistance and long-term durability developed principally as a high build cementitious acrylic membrane which in combination with chopped strand fibreglass matt and or fibreglass mesh forms the basis of NURADECK C decking/roofing system.

Nuradeck C is a two-component material supplied as a pail of base emulsion to be mixed for use with either standard grey cement where colour is not important. Where colour is important over-coat with Nuradeck Gel. Colours should have an LRV of 40% or higher to meet warranty conditions. High build and low shrinkage membrane with a positive chemical cure, without sacrifice of long-term flexibility inherent from the high proportion of acrylic co-polymer film-former. Compared to single pack emulsion products **Nuradeck C** membrane can be laid in far poorer curing conditions, and because of lower shrinkage, in a lesser number of coats. Compared to other two-pack liquid membrane types this product does not depend on environmentally aggressive polyurethane or similar chemistries for cure, and being water based does not contain any organic solvent pollutants.

- Excellent tensile strength for permanent crack bridging without rupture.
- Total and permanent resistance to water.
- Full re-coatability and ease of maintenance and repair.
- Good adhesion to common building material surfaces.
- Barrier properties sufficient to prevent or halt concrete degradation due to carbon dioxide, chloride ion or "acid rain" ingress.
- Acrylic polymer technology with superior longevity and durability of key performance parameters.
- Waterborne for ease and safety of use and cleanup, and free from gross solvent hazard and pollution.

NURADECK C

The properties of this product are such to allow simple, environmentally friendly and cost effective systems for weather and waterproofing of common deck, patio and flat roofing. **Nuradeck C** forms a permanent semi-elastic skin that combined with fibreglass reinforcement gives a tough and long wearing surface satisfactory for light pedestrian traffic areas, together with freedom of the Nuradeck Gel 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 C** reinforced with fibreglass - refer to **NURALITE WATERPROOFING LTD, Nuradeck C** systems sheet

for particular installation recommendations.

Mix ratio is approximately 15Kg cement per 15L pail **Nuradeck C** Base - slightly less or more depending on ambient temperature and the degree of workability required. Add cement slowly with good mechanical stirring to a lesser amount of emulsion base to begin to give a thick & lump free concentrate, then dilute with remaining base to working consistency. Shelf life of the mixed material is good and provided the material has not unduly thickened can generally be remixed and used up to 24 hours.

SPECIFICATION DATA

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

DRY FILM

Recommended Dry Film Build: 800-1000 micrometres.

Gloss & Colour: Low gloss. Can be over-coated with Nuradeck Gel

Elongation 20° C: 30% minimum (unreinforced)

Tensile Strength: 0.3 MPa.

Water Swelling: 24 hours < 7 % after aging.

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).

TYPICAL PROPERTIES (Wet Properties):

Specific Gravity	1.5 (mixed)
Packaging	15 Litre resealable plastic pails.
Shipping Weight	18.75 Kgs.
Shelf Life (unmixed pails)	Minimum 12 Months.
Volume Solids	55% effectively 75% when mixed.
Practical Spread Rate	0.7m ² Per Litre in combination with 300gm "E-Matt" fibreglass reinforcement.

HEALTH AND SAFETY

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

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