

NURAPLAN V

PVC WATERPROOFING MEMBRANE FOR ROOFS

DATA SPECIFICATION SHEET

DESCRIPTION

Nuraplan V is a high quality PVC waterproofing membrane for roofs and decks. It is designed for both exposed and concealed waterproofing applications. Produced under strictly controlled factory conditions, it is uniform in thickness and quality which give this membrane its excellent performance record.

Nuraplan V is strong, tough, light-weight, allows light to medium foot traffic and it exhibit excellent weatherability, resistance to ageing and microorganisms. Nuraplan V is 100% compatible with bitumen. The backed 200g/m² of polyester fleece act as a separation layer between the membrane and bitumen or bituminous material /substrate.

AREAS OF USAGE

Nuraplan V can be installed as a concealed waterproofing membrane for roofs, decks, patios, gutters and roof gardens. It can be installed on substrate such as concrete, sound light-weight concrete, plywood etc.

PRODUCT SPECIFICATION

WATERTIGHTNESS (BS EN 1928 (B)): $\geq 400\text{kPa}$

REACTION TO FIRE (BS EN 13501-1): Class E

TENSILE STRENGTH (BS EN 12311-2): $\geq 10\text{ N/mm}^2$

ELONGATION AT BREAK (BS EN12311-2): $\geq 300\%$

RESISTANCE TO STATIC LOADING (BS EN 12730): $\geq 20\text{ kg}$

DIMENSIONAL STABILITY (EN 1107-2): $\leq 0.2\%$

DURABILITY (UV EXPOSURE, HIGH TEMPERATURES AND WATER): Passed

WATER VAPOUR PERMEABILITY (EN 1931): $\geq 8,000\mu$

RESISTANCE AGAINST ROOT PENETRATION (FLL 1984): Passed

PLIABILITY (SS374:1994): No Surface Rupture

RESISTANCE TO TEARING (BS EN 12310-2): $\geq 400\text{ N}$

BITUMEN COMPATIBILITY (DIN 16726): Average Change of Young's Modulus, $<20\%$

TOTAL VOLATILE ORGANIC COMPOUND (ASTM D5116-10): $\leq 0.5\text{mg/m}^3$



SUBSTRATE PREPARATION

Make sure the substrate is smooth, clean and free of dirt, oil etc. Provide angle fillet at all upturn areas to parapet.

APPLICATION

Equipment for Installation

Tools necessary to lay Nuraplan V waterproofing membrane shall include scissors, blade cutter, pressure roller and hot air welding tools.

Installation Procedure

- a) Apply a thick coat of adhesive onto all horizontal substrates
- b) Unroll the waterproofing membrane onto the adhesive while it is still tacky
- c) The effective heat welded lap between two rolls shall be minimum 50mm width.

The Nuraplan V fleece backed shall be bonded and installed until the base of parapet walls / upturns areas.

Nuraplan V unbacked shall be used on all vertical surfaces. The unbacked membrane shall terminate 300mm above the finished floor level or as indicated in the shop drawings.

For unbacked membrane along vertical surface, apply fast drying contact adhesive such as Tiger brand, World brand 200 or its equivalent on to substrate and to the back of the membrane. Leave adhesive to dry for 10 – 15 mins before pressing membrane over substrate.

RECTIFICATION TO DAMAGED MEMBRANE

Should there be minor puncture on the installed membrane. Cut a new piece of membrane size 100 x 100mm and place over the punctured area. Seal by hot air welding.

WATER PONDING

The waterproofed areas shall be tested for water-tightness by ponding either entirely or in sections for minimum 24 hours.

HEALTH & SAFETY

Read the product label and Safety Data Sheet (SDS) before use. Users should acquaint themselves with all risk and safety phrases.

Hitchins (FE) Marketing Pte Ltd
Telephone: (65) 6861 1177
Facsimile: (65) 6863 4240
Email: hitchins@hitchins.com

Place Product
Sample Here

Revision A

All data given and statements and recommendations made herein are based upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.