NW-75 MEMBRANE
Pavement Membrane

PRODUCT NAME
NW-75 Membrane

MANUFACTURER
Polyguard Products, Inc.
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PRODUCT DESCRIPTION
NW-75 Membrane is designed for use prior to an asphalt overlay on parking garages and parking lots.

PRODUCT FEATURES
- The non-woven geotextile fabric used as backing on the NW-75 Membrane has an advantage in that its open woven fibers will provide a mechanical bond to the asphalt overlay.
- Flexible at low temperatures.
- Impermeable to moisture.

COMPOSITION & MATERIALS
NW-75 Membrane is comprised of a rubberized-asphalt waterproofing sealant with a non-woven, pavement-reinforcing-grade polypropylene fabric laminated to the outer surface. A peel-off silicone-treated release liner keeps the rubberized asphalt from sticking to the membrane when rolled up.

TECHNICAL DATA
See physical properties table.

INSTALLATION
SURFACE PREPARATION
Pavement surfaces must be clean and dry prior to application. A surface profile of 3-to-5 must be maintained to obtain complete adhesion. Surfaces must be free of voids, sharp projections and debris or aggregate. New concrete must be cured a minimum of 7 days, and surfaces must be free of curing agents and other contaminants. Do not use curing compounds containing oil, wax, silicone, or pigments.

Apply LM-95 fillet or cant strip to clean, dry deck and curb to avoid a sharp angle. Do not apply 650 LT Liquid Adhesive or California Sealant prior to LM-95.

PRIMING
Prepare substrate with 650 LT Liquid Adhesive or California Sealant at a rate of 250 - 300 square feet per gallon to clean, dry concrete. Allow to dry tacky to touch.

MEMBRANE APPLICATION
Apply a 12" flashing strip of NW-75 Membrane to curb, placing the membrane equally 6" in both directions of the joint. Keep the flashing strip just below the planned height of asphalt. Press firmly to eliminate any fishmouths or gaps. Then apply the field membrane straight and wrinkle free, with no curled edges, and from low to high pitch to provide tight seal. Side laps should be a minimum of 3". End laps should be a minimum of 6". Pressure roll all membrane with a 75 – 100 lb roller. Any wrinkles over 3/8" in width should be slit and folded down. For all non-moving joints or cracks over 3/16" width, apply a 12" flashing strip of NW-75 Membrane first then continue with the full width membrane. Address expansion joints using the appropriate expansion joint material.

Apply a bead of 650 Mastic to the top termination of the NW-75 Membrane on the curb.

PAVING
Apply a tack coat of AC20 over the installed membrane prior to asphalt overlay. A minimum compacted thickness of less than 1-1/2" is not recommended. Paving temperatures at compaction must be 290°F – 340°F. Use of vibratory rollers during paving is not recommended.

INSPECTION
Inspect all membrane for tears, wrinkles, air blisters and damage from other trades prior to asphalt application and repair as needed.

REPAIR
Remove all damaged membrane so that only bonded membrane remains. Reprime any exposed concrete and apply a new sheet of membrane over the concrete and over the previously applied membrane a minimum of 6 inches in all directions.

STORAGE AND HANDLING
Material Handling
Unload and store NW-75 Membrane and accessories carefully. Protect cartons and containers from weather, sparks, flames, excessive heat, cold and lack of ventilation. DO NOT stack membrane material higher than 5 feet vertically, nor double stack pallets. Store cartons on pallets and cover to prevent water damage. For best results, store membrane above 50°F (10°C) prior to application.

PRECAUTIONS
- DO NOT use this product when parking garage is over occupied living or working space.
- The 650 LT Liquid Adhesive and California Sealant are considered industrial coatings and would be harmful or
fatal if swallowed. It is marked as red label from the stand-point of flash point.

- Prohibit flames, sparks, welding and smoking during application.
- Refer to product label for handling, using and storage precautions.
- Solvents could be irritating to the eyes; flush with water and contact physician.
- Avoid prolonged contact with skin and breathing of vapor or spray mist from liquid adhesive. In confined areas, use adequate forced ventilation, fresh air masks, explosion-proof equipment and clean clothing.
- Avoid solvent contact with light bulbs or other high-temperature surfaces.

**Ultraviolet Protection**
NW-75 Membrane is adversely affected by ultraviolet light. Cover the waterproofing system as soon as possible; DO NOT leave exposed to sunlight for over 30 days.

**SAFETY**
SDS documents for all Polyguard products can be obtained at our website www.polyguard.com. Call Polyguard Products, Inc. at (214) 515-5000 with questions.

**PROPERTY** | **TEST METHOD** | **TYPICAL VALUE**
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MEMBRANE THICKNESS | ASTM D 1777 | 65 mils
TENSILE BREAKING STRENGTH | ASTM D 882 | 41 lbs./in. width
TENSILE ELONGATION STRENGTH | ASTM D 882 | 127%
GRAB TENSILE STRENGTH | ASTM D 4632 | 187 lbs.
PUNCTURE RESISTANCE | ASTM E 154 | 281 lbs.
WATER VAPOR TRANSMISSION | ASTM E 96 Method B | 0.0316 perm
ADHESION TO CONCRETE | ASTM D 903 | 6.35 lbs./in. width
PLIABILITY | ASTM D 146 | Pass

**PACKAGING** | **PART NUMBER** | **UNIT SIZE**
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NW-75 MEMBRANE | NW7548 | 48” x 50’

Accessories:
- 650 LT LIQUID ADHESIVE | 650-5 LIQ ADH 5 GA | 5 gallon pail
- 650 LT LIQUID ADHESIVE | 650-5 LIQ ADH 1 GA | 4 – 1 gal pails/ctn
- CALIFORNIA SEALANT | CALSEAL5 | 5 gallon pail
- LM-95 | LM952 | 2 gallon pail
- 650 MASTIC | 650-5-MASTIC | 5 gallon pail
- 650 MASTIC | 650-QTUBES-MASTIC | 12/30 oz. tubes

**WARRANTY**
We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses recommended as suitable for this product. Proof of purchase must be provided. A five (5) year material or system warranty may be available upon request. Contact Polyguard Products, Inc. for further details.

**TECHNICAL SERVICES**
Technical assistance, information and Polyguard’s products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.
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