

# PRODUCT DATA

W. R. MEADOWS®

SEALTIGHT®

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## MEL-DEK™ Deck Waterproofing System

### DESCRIPTION

SEALTIGHT MEL-DEK is a roll-type waterproofing membrane composed of a nominally 53 mil thick layer of polymeric waterproofing membrane on a shrink-resistant, heavy-duty 12 mil thick, polypropylene woven carrier fabric. The two components are laminated together under strictly controlled production procedures.

### USES

SEALTIGHT MEL-DEK Waterproofing System provides an excellent waterproofing membrane for bridges, parking decks or other vehicular traffic structures to be overlaid with an asphaltic concrete wearing course. Ideal for repair, maintenance or new construction applications.

### PACKAGING

60' (18.29m) Long x 38.5" (.98m) Wide Rolls

### COVERAGE

180 ft.<sup>2</sup> (16.72 m<sup>2</sup>) of effective waterproofing coverage

### FEATURES AND BENEFITS

- Requires no protection...can withstand the dynamic placement of hot asphaltic overlays
- Provides 3/4" membrane-to-membrane weld at seams for positive, monolithic protection
- Flexible, dependable, cost-effective and easy to install
- Meets a wide range of maintenance and new construction application needs

### TYPICAL PROPERTIES

|   |                        |
|---|------------------------|
| Thickness   | 65 mils                |
| Tensile Strength, ASTM D 882                        |                        |
| Warp  | 90 lbs. (40.82 kg)/35% |
| Fill  | 90 lbs. (40.82kg)/45%  |
| Puncture, ASTM E 154                                | 275 lbs. (125 kg)      |
| Flexibility, ASTM D 146                             |                        |
| 180° Bend, 1/4" (6.35mm) mandrel<br>@ -26°F (-32°C) | PASS                   |
| Water Vapor Transmission, ASTM E-96                 | 0.03 Perms             |
| Water Absorption, ASTM D 1228                       | 0.06%                  |

Independent test report available upon request

CONTINUED ON REVERSE SIDE

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**APPLICATION**

Note: For applications receiving overlays other than asphalt, please consult with W. R. MEADOWS TECHNICAL SERVICE.

Surface Preparation...New concrete surfaces are to be fully cured and dry or approved by the engineer. Surface is to be cleaned of all dust, dirt and debris just prior to priming. Existing concrete surfaces are to have a smooth, sound, monolithic surface, free of voids, spalled areas, sharp protrusions and loose aggregate. Remove all traces of old membranes, oil, grease or other contaminants.

Temperature...SEALTIGHT MEL-DEK may be applied in fair weather at air and concrete surface temperatures of 40°F (4°C) and higher.

Joints And Slab Drainage...Apply a reinforcing strip of SEALTIGHT DETAIL STRIP over all non-working joints or cracks over 3/16" (4.76mm) wide before applying finished membrane. Seal all terminations with SEALTIGHT POINTING MASTIC. Deck surface must provide proper pitch to gutters and drains. Drainage openings should be provided at the structural deck level to drain any water that penetrates the asphaltic concrete surface.

Priming...Prime all surfaces to be covered with SEALTIGHT MEL-PRIME Water Base or MEL-PRIME Solvent Base VOC Primer. Primer may be spray-applied or applied with a lamb's wool roller. Allow primer to dry until tack-free. Primed areas not covered in 24 hours must be re-primed. Coverage, 250 to 300 ft²/gal. (6.14 to 7.36 m²/L).

Application Method...Apply MEL-DEK from low point to high point in both the longitudinal and transverse directions. In the transverse direction, overlap in shingle fashion 2 1/2" (63.5mm) after removing the white polyethylene strip that exposes the 3/4" rubberized asphalt. This will give you the membrane to membrane weld at seams. Longitudinally, overlap 6" (150mm) and seal with Pointing Mastic. Once positioned, the MEL-DEK should be immediately hand rubbed onto the surface followed by a pressure-applied roll-pressing of the complete surface to assure positive adhesion. Seal all terminations with SEALTIGHT POINTING MASTIC.

NOTE...Where a 125+ mil thick membrane is desired, overlap each roll of MEL-DEK 51%.

Inspect And Repair...Inspect thoroughly before covering and make any necessary repairs immediately. Patch all tears...slit fishmouths and patch...seal edges of all patches with SEALTIGHT POINTING MASTIC.

Paving...Placement of the asphaltic concrete overlay should be accomplished as soon as possible after application of the MEL-DEK. A minimum 2" (50mm) compacted overlay thickness is required. The temperature of the asphaltic concrete at the time of compaction should be a minimum of 290°F, not to exceed 340°F. Protect the membrane surface from unnecessary traffic. Place the overlay from low point to high point with care and caution.

**APPLICATION TOOLS**



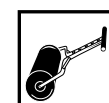
Manual Sprayer



Roofer's Knife



Lamb's Wool Roller



Water Roller

**PRECAUTIONS**

Refer to Material Safety Data Sheet for complete Health and Safety Information

**FOR THE MOST CURRENT PRODUCT INFORMATION, VISIT OUR WEBSITE: [www.wrmeadows.com](http://www.wrmeadows.com)**

**LIMITED WARRANTY**

"W.R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

**Disclaimer**

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