



**PRODUCT
DATA**

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MEL-DEK™
Deck Waterproofing System

DESCRIPTION

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

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

PACKAGING

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

COVERAGE

180 sq. ft. net (16.72 sq. m) of effective waterproofing coverage. (192.5 gross coverage.)

FEATURES AND BENEFITS

- Requires no protection ... can withstand the dynamic placement of hot asphalt 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.

SPECIFICATIONS

ASTM D 6153, Type III

PHYSICAL PROPERTIES

Thickness	65 mils
Tensile Strength, ASTM D 882	
Warp	90 lbs./in. (1.6 kg/mm)
Fill	90 lbs./in. (1.6 kg/mm)
Elongation, ASTM D 882	
Polymeric Membrane	410%
Fabric, Warp	35%
Fabric, Fill	45%
Puncture, ASTM E 154	275 lbs. (1.22 kN)
Flexibility, ASTM D 146	
180° Bend, 1/4" (6.35 mm) mandrel @ -26° F (-32° C)	PASS
Water Vapor Permeance, ASTM E-96, Water Method	0.03 Perms
Water Absorption, ASTM D 1970	0.06%
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. For enhanced bond between asphalt overlay and MEL-DEK, apply an asphalt emulsion, water-base tack coat to the surface of MEL-DEK

Temperature ... 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 W. R. MEADOWS DETAIL STRIP over all non-working joints or cracks over 3/16" (4.76 mm) wide before applying finished membrane. Seal all terminations with POINTING MASTIC from W. R. MEADOWS. 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 MEL-PRIME or MEL-PRIME W/B primer from W. R. MEADOWS. 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 sq. ft/gal. (6.14 to 7.36 sq. m/L).



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

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

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" (63.5 mm) 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" (150 mm) and seal with POINTING MASTIC. Once positioned, 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 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 fish mouths and patch ... seal edges of all patches with POINTING MASTIC.

Paving ... Placement of the asphalt concrete overlay should be accomplished as soon as possible after application of MEL-DEK. A minimum 2" (50 mm) compacted overlay thickness is required. The temperature of the asphalt concrete at the time of compaction should be a minimum of 290° F, not to exceed 340° F. Paving equipment should be rubber track variety. Protect the membrane surface from unnecessary traffic. Place the overlay from

PRECAUTIONS

Refer to Material Data Safety Sheet for complete health and safety information.

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www.wrmeadows.com