

# Deck Waterproofing Membrane

**PRODUCT DESCRIPTION**

Mer-Ko Deck Waterproofing Membrane is an asphalt modified latex, elastomeric membrane, designed to create a thin-section, seamless, reinforced waterproof membrane barrier. Deck Waterproofing Membrane is used with; Shur Deck, Weather Deck, Auto Deck, ARC Membrane, and Hydro-Guard AG Waterproofing Membrane.

Mer-Ko Deck Waterproofing Membrane functions as a waterproof and crack isolation membrane designed for above grade use as well as under concrete and approved overlayers and tiles.

It provides superior positive-side waterproofing protection and superior durability using a high-performance, latex resin. Deck Waterproofing Membrane incorporates an anti-microbial component, a performance additive that inhibits the growth of mold and mildew on the membrane surface and in damp environments, providing additional protection and defense against environmental health concerns it is used in conjunction with reinforcing fabric to provide exceptional membrane stability.

Deck Waterproofing Membrane is a cold-fluid, applied material that creates a tenacious bond to properly prepared substrates (e.g., base flashings, etc.). It is applied at 15, 20 or 30 mils dry film thickness, see the specific system Technical Application Guide for the required dry film thickness.

**CHARACTERISTICS**

- Solvent-free
- Non-flammable
- Seamless, monolithic waterproofing membrane
- Ready for installation without heating or thinning.
- Rapid installation
- Excellent adhesion properties
- Maintains elastomeric properties at low temperatures
- Outstanding long-term durability and performance
- Superior resistance to flexing and twisting

**CAUTIONS & LIMITATIONS**

- The substrate surface must be structurally sound, clean, dry and free of dirt, dust, oil, grease, paint or other contaminants at the time of material application.
- Substrate and ambient temperature must be above 40°F (4.4°C) and below 120°F (49°C) during and for 24 hours following the application.
- Do not apply in damp weather or when rain is occurring or expected within 24 hours.
- Waterproofing Membrane must be covered with bodycoat, protective coat or overlay within 72 hours.
- Always apply Prep Seal as an intercoat primer between any cementitious system layers that have cured for more than 72 hours. In the event that the Deck Waterproofing Membrane has cured for more than 72 hours, the surface must be cleaned, allowed to dry and an additional coat of the Waterproofing Membrane must be applied.
- Protect the membrane from construction traffic during application and cure to prevent damage to the membrane prior to installing the finish materials.
- Will not bridge seismic cracks or wide construction joints
- Not suitable for applications where chained or studded tires may be used.

**TECHNICAL DATA**

Required mils DFT is determined by the particular System to be installed.

Depending on the condition of the substrate and the thickness of application, approximate coverages are:

<b>Coverage Rate</b> .....	300 ft <sup>2</sup> (27.9 m <sup>2</sup> )/5 gallon pail
<b>Thickness</b> .....	15 (0.38 mm) mils DFT
<b>Coverage Rate</b> .....	225 ft <sup>2</sup> (20.9 m <sup>2</sup> )/5 gallon pail
<b>Thickness</b> .....	20 (0.51 mm) mils DFT
<b>Coverage Rate</b> .....	150 ft <sup>2</sup> (13.9 m <sup>2</sup> )/5 gallon pail
<b>Thickness</b> .....	30 (0.76 mm) mils DFT
<b>Absorption</b> .....	0%
(Total immersion for 24 hours)	
<b>Adhesion</b> .....	> 250 psi
(ASTM C794)	
<b>Drying Time</b> .....	24 hours
at 70°F (21.1°C) 50% RH	
<b>Elongation</b> .....	> 500%
(ASTM D638)	
<b>Porosity</b> .....	Zero Transmission
(115 psi for one hour)	
<b>Temperature Sensitivity</b> .....	(At Installation) 40°F to 100°F (4.4°C to 37.8°C)
(After Installation) -60°F to 200°F (-15.6°C to 93.3°C)	
<b>Tensile Strength</b> .....	> 240 psi
(ASTM D638)	
<b>Density</b> .....	8.5 lbs/gallon
<b>Solids by Volume</b> .....	55.9%
<b>Solids by Weight</b> .....	56.6%
<b>VOC</b> .....	68.3 g/L
(ASTM D3960)	
<b>Viscosity at 77°F</b> .....	65-75 KU
(ASTM D562)	

- Not designed for heavy steel wheeled traffic
- Not intended for use as a finished surface.
- Designed for professional use.

**COLOR**

Dark Blue in liquid state and black when fully cured.

**PACKAGING**

5 gallon (18.9 liter) pail

**MIXING**

After opening the container, gently stir until uniform color.

**APPLICATION**

The surface must be clean, dry and free of dust and any other contaminants at the time of material application. When used for Non fabric reinforced waterproofing membrane applications or for Crack & Joint Treatment only with Mer-Ko Decorative Coatings use:

Crack & Joint Treatment

Treat substrate cracks, joints and substrate transitions by applying a thick coat of Deck Waterproofing Membrane at a minimum 15 mil (0.38mm) DFT over the immediate surface crack or joint using a trowel, brush or roller, ensuring complete coverage. Immediately after the Waterproofing Membrane

# Product Data Sheet

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has been applied and while the material is still wet, embed Mer-Thane 4 inch Fiber Tape into the wet Waterproofing Membrane for a distance of 2 inches on both sides, saturating it completely. Firmly trowel-push the fabric into the wet membrane material to ensure that it is completely embedded. No dry or fabric material spots should be visible and the Fiber Tape should lay completely flat and without wrinkles. Apply additional Waterproofing Membrane as necessary over areas to ensure embedment.

### Flashing

Waterproof the flashing area by brush applying 1 thick coat of Deck Waterproofing Membrane onto the primed surface according to the appropriate system Technical Application Guide. Immediately embed the 10" synthetic burlap (Type III Fabric), filament/fuzzy side down, in the wet Waterproofing Membrane. Saturate the synthetic burlap with a second coat, minimum 5 mils (0.13mm) DFT Waterproofing Membrane. The burlap is to be approximately 4 to 6 inches (102 to 152 mm) wide on all vertical surfaces with the remaining fabric onto the flat surface. Make sure the burlap is fitted tightly in corners and around protrusions. Apply additional Waterproofing Membrane as necessary over flashing areas to ensure positive waterproofing (no pinholes). Brush apply Waterproofing Membrane into tight areas and corners to fill holes and other voids. Waterproofing Membrane should be applied according to the appropriate system Technical Application Guide. Allow to dry.

### Field/Horizontal Surfaces

Trowel or roll apply 1 thick coat of Deck Waterproofing Membrane according to the appropriate system Technical Application Guide over the surface, ensuring complete coverage. After the first thick coat of Waterproofing Membrane has been applied and while the material is still wet, embed the system appropriate reinforcing fabric into the wet Waterproofing Membrane. Overlap successive runs of fabric edges a minimum of 2 inches (51 mm). Using a roller or trowel, firmly push the fabric into the wet membrane material to ensure that it is completely embedded. No dry or fabric material spots should be visible and the fabric should lay completely flat and without wrinkles. Follow the first coat with an additional, roller or trowel applied, coat of Waterproofing Membrane at the thickness required by the specific system and ensure complete saturation to ensure positive waterproofing (no pinholes). Mer-Ko Deck Waterproofing Membrane should be applied according to the appropriate system Technical Application Guide. Allow to dry a minimum of 24 hours at 70°F (21°C) 50% RH, until dry enough to walk on without leaving impressions. Applications in elevated humidity conditions and/or cooler temperatures will require additional cure time.

### STORAGE & HANDLING

Store Mer-Ko Deck Waterproof Membrane out of direct sunlight at temperatures between 40°F and 100°F (4.4°C and 38°C). Do not allow the uncured Deck Waterproofing Membrane material to freeze. Promptly clean tools and equipment with water and mild detergent. Always wear proper safety equipment, including particle mask, eye protection, and gloves when mixing and/or applying these products.

### SHELF LIFE

The shelf life is six (6) months from the date of manufacture in the original, unopened container when stored properly.

### WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or [www.parexmer-ko.com](http://www.parexmer-ko.com)

### WARNING:

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Material Safety Data Sheet (MSDS). The most current MSDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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