

# **MER-KOTE™ Shur Deck®**

## **Waterproof & Fire Resistive Pedestrian Deck Covering**

### **DESCRIPTION:**

Shur Deck is a multilayered latex mastic deck coating which is trowel applied over expanded metal lath. This system provides a slip resistant, waterproof walking surface that is resistant to substrate cracks. Waterproof flashing for drains, vertical surfaces, thresholds, as well as stress relief for thermal expansion are incorporated into the system. The thickness is approximately 1/8"-3/16" and presents few elevation problems at doors, landings, steps, etc. in existing structures.

### **USE:**

Roof decks, observation decks and balconies on commercial and residential buildings carrying pedestrian traffic. (For vehicular traffic, refer to MER-KOTM AutoDeck).

### **APPROVALS:**

Shur Deck is rated as a Class A and One Hour fire resistive flooring system and has been approved by ICBO Evaluation Service (ER-5968).

### **ADVANTAGES:**

- Monolithic, contains no joints or seams.
- May be installed over any sound, solid, dry subsurface.
- Fire retardant, One Hour fire rated.
- Will not soften under extreme solar temperatures.
- Installed only by qualified applicators.

### **LIMITATIONS:**

- Not designed for vehicular or heavy steel wheeled traffic.
- Subsurface must be dry before and during application.
- In cold climates, consult manufacturer for specific requirements.
- Not for use over OSB board.

### **CONSIDERATIONS FOR INSTALLATION:**

- Subsurface must be smooth. If not corrected, irregularities will reflect on the deck surface.

- Minimum standards for wood surfaces are 5/8" exterior plywood over 16" o.c. joists or 1/2" exterior grade plywood over sheathing with all joints blocked.

- In freezing climates, sufficient pitch is required to insure run-off.

- Deck Drains must be of a type that incorporates integral flashing ( i.e. Mer-Ko Drain DD-100 )

- The use of thermal insulation in conjunction with the Shur Deck system should be reviewed by a Mer-Kote technical representative.

**INSTALLATION:**

1. Install expanded metal lath (butt seams) using 25 staples per sq.ft.
2. Trowel the Shur Deck Compound mixed with water to completely cover the metal lath.
3. Roller apply two coats of Sure Deck Mastic at the rate of 100 sq.ft. per gallon per coat.
4. Apply final coat of Shur Deck Compound by trowel or hopper gun using a "knock down" finish.
5. Roller apply two coats of Mer-Ko Seal topcoat in the chosen color.

**NOTE:** For installations over concrete, apply a wet coat of Shur Deck Compound as a primer. After the primer has dried, proceed with steps 3 thru 5.

**AVAILABILITY:**

MER-KO systems are installed by trained contractors located in several population centers in the U.S.

**PHYSICAL & TECHNICAL DATA:**

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Weight: < 2 p.s.f.

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Fire Rating: One Hour (ASTM E-108)  
Class A

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Membrane Value: No seepage under water heads to 115 ft.

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Indentation Characteristics: Complies to MIL-D-3134, Par.3.9, 4.7.4

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Elongation at Rupture: .04 ft./ft.

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Adhesion: > 755 p.s.i.

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Slip Resistance: MIL-D-3134 Par.4.7.6  
(Coefficient of sliding friction)

Dry Leather .49

Wet Leather .59

Dry Rubber .80

Wet Rubber\* .84

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Tensile Strength: > 625 p.s.i.

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Resistance to Aging: 400 hours  
No visual signs of failure

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Ozone Resistance: 30 days  
No visual adverse effects

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**TECHNICAL ASSISTANCE:**

Specification assistance is highly recommended prior to a proposed installation. Contact any MER-KOTE technical representative for recommendations.

**WARRANTY:**

The deck covering shall be guaranteed against faulty workmanship and/or materials for a period of ten years. See Mer-Kote warranty for specific requirements.

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**Mer-Kote Products, Inc.**