

# THERMO MATERIALS®

## THERMOTHANE™ PEDESTRIAN CONCRETE DECK RESTORATION SPECIFICATION

**Disclaimer:** This document is intended as a Scope of Work and as such is written in a general manner. If actual project conditions are such as to be outside the scope of the normal waterproofing practices that are referenced in this document, steps should be taken to ensure the restoration remains in compliance with nationally recognized waterproofing practices.

The following covers the installation of a Thermothane™ Repair and Restoration System for a properly prepared pedestrian concrete deck.

### REQUIRED MATERIALS

1. Joint Sealant – [Thermolene® SEBS Sealant](#)
2. Surface Primer – [Thermothane™ Clear Coat](#) (1 gal/sq)
3. Flashing Mastic – [Thermothane™](#)
4. Base Coat & Intermediate Coat – [Thermothane™](#) (white or gray)
5. Aggregate – 16/30 mesh Silica Sand (acquire locally)
6. Surface Coat – [Thermothane™](#) (gray)

### RECOMMENDED THERMO SYSTEM

1. All existing surface contaminants such as oil, grease, tar, asphalt stains or other materials shall be removed to expose the underlying surface to which new materials are to be applied. Contaminated surfaces shall be vigorously scrubbed with a power broom and a strong non-bubbling detergent. Entire surface shall then be rinsed with clean water and allowed to dry.
2. In areas where oil or other contaminants penetrate deep into the concrete, prepare by a mechanical method such as shot-blasting or acid etching if shot-blasting is not practical. Proper cleaning procedures shall be followed.
3. Large cracks shall be routed and filled with [Thermolene® SEBS Sealant](#) Joint Sealant applied to inside area of crack only. Secondary control joints shall be sealed with [Thermolene® SEBS Sealant](#) Joint Sealant applied to inside area of crack only. Allow to fully cure. Entire surface shall then be rinsed with clean water to remove loose particles, dust and debris. Allow surface to completely dry.
4. Upon completion of the initial surface preparations and on a clean, dry deck, apply a uniform 1/3-gal/sq of [Thermothane™ Clear Coat](#) Surface Primer. Allow application to fully cure.
5. After full cure of the [Thermothane™ Clear Coat](#) Surface Primer, all hairline cracks and cold joints shall be treated with [Thermothane™](#) Base Coat a minimum distance of 2" on each side to yield a total thickness of 30 dry mils. Detail sealed secondary control joints with [Thermothane™](#) Base Coat a minimum distance of 2" on each side of crack to yield a total thickness of 30 dry mils.
6. After full cure of preparations, to all areas of the deck to be coated, including any vertical transitions; apply a uniform 1½-gal/sq of [Thermothane™](#) Base Coat. Application techniques shall be such to allow for proper application rates to all high and low spots. Allow application to fully cure.
7. After full cure of the [Thermothane™](#) Base Coat, apply a uniform ½-gal/sq of [Thermothane™](#) Intermediate Coat. Application techniques shall be such to allow for proper application rates to all high and low spots. Immediately broadcast a uniform 10-lbs/sq of 16/30 mesh Silica Sand into the wet surface. Allow application to fully cure.
8. After full cure of the [Thermothane™](#) Intermediate Coat, remove excess aggregate and apply a uniform 1-gal/sq of [Thermothane™](#) Surface Coat. Application techniques shall be such to allow for proper application rates to all high and low spots. Allow application to fully cure.
9. Inspect all finished surfaces for proper mils and deficiencies in the application. Where necessary apply additional [Thermothane™](#) Surface Coat at a rate of 1-gal/sq to any deficient areas.

Warranty: If applied according to our published specifications and guidelines and after successfully passing a final inspection and then accepted by Thermo Manufacturing Systems, LLC, this system would qualify for our 10-Year Material Warranty. Call for details regarding warranty application documentation requirements and warranty fee schedule.



Eco-friendly, Sustainable Building Restoration Specialists