THERMO MATERIALS®
THERMOCONE THS SPF 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 such as those found in the National Roofing Contractors Association Manual.

The following covers the installation of a **THS Silicone Repair and Restoration System** for a properly prepared aged SPF roof. **NOTE: This system is not designed to be installed over any existing silicone.**

REQUIRED MATERIALS

1. Flashing Mastic – Thermocone THS Mastic *(20 linear feet average per gallon of completed 3-course 6" wide)*
2. Reinforcement Fabric – Thermopolyester SB-075 *(6" width minimum)*
3. SPF Patching Material – Froth Pack *(two-part foam patch)* (acquire locally)
4. Drains – Thermocone THS Silicone
5. Base Coat – Thermocone THS Silicone (*white or gray)*
6. Surface Coat – Thermocone THS Silicone *(white)*

RECOMMENDED THERMO SYSTEM

1. All existing surface contaminates such as asphaltic mastics, peel and stick membranes or other roofing materials shall be removed to expose the underlying surface to which new materials are to be applied.
2. All surfaces to receive roofing or flashing materials shall be thoroughly power washed, so as not to induce water into the existing foam insulation, with **clean water** to remove all loose debris, dirt and other buildup. In areas where pressure washing would be prohibited due to existing substrate conditions, prepare these areas by hand using clean water only. Make repairs to any defects or moisture laden areas in the existing SPF system using Froth Pack SPF Patching Material or *Thermocone THS Mastic* Flashing Mastic and *Thermopolyester SB-075* Reinforcement Fabric as required. The Froth Pack SPF Patching Material must cure a minimum of 2 hours prior to the application of *Thermocone THS Silicone* Base Coat. The *Thermocone THS Silicone* Base Coat should be applied the same day but no later than 72 hours after the foam application. Allow surface to completely dry.
3. Upon the completion of the initial surface preparations, all roof penetrations, curbs, transition points, vents, drains and scuppers shall be 3-coursed, defined as a layer of *Thermopolyester SB-075* Reinforcement Fabric sandwiched between 2 layers of *Thermocone THS Mastic* Flashing Mastic at a rate of 20 linear ft/gal having a minimum width greater than that of the *Thermopolyester SB-075* Reinforcement Fabric. Apply the *Thermopolyester SB-075* Reinforcement Fabric without fishmouths or wrinkles.
4. Roof to wall transitions and metal counterflashings, shall be 3-coursed as defined in step #3. Apply the *Thermopolyester SB-075* Reinforcement Fabric without fishmouths or wrinkles.
5. All drains and scuppers perimeter, a minimum of 40", shall be additionally 3-coursed, defined as a layer of *Thermopolyester SB-075* Reinforcement Fabric fully embedded in 2 layers of *Thermocone THS Silicone* Base Coat at a rate of 1½-gal/sq having a minimum width greater than that of the *Thermopolyester SB-075* Reinforcement Fabric. Apply the *Thermopolyester SB-075* Reinforcement Fabric without fishmouths or wrinkles.
6. After full cure of preparations, to all areas of the roof to be coated, including any vertical transitions; apply a uniform 1½-gal/sq of *Thermocone THS Silicone* Base Coat. Application techniques shall be such to allow for proper application rates to all high and low spots, as well as angles in the roof surface. Allow application to fully cure.
7. After full cure of the *Thermocone THS Silicone* Base Coat, apply a uniform 1½-gal/sq of *Thermocone THS Silicone* Surface Coat using a crosshatch pattern to that of the *Thermocone THS Silicone* Base Coat. Application techniques shall be such to allow for proper application rates to all high and low spots, as well as angles in the roof surface. Allow application to fully cure.
8. Follow NRCA guidelines for any ponding areas on the roof.
9. Inspect all finished surfaces for proper mils and deficiencies in the application. Where necessary apply additional *Thermocone THS Silicone* 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 Labor & Material Warranty. Call for details regarding warranty application documentation requirements and warranty fee schedule. Optional Thermo Materials® Sealants are available. Call for details.

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