

# THERMO MATERIALS®

## THERMOCONE THS FOR NEW SPF

### 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 & New SPF Roof System**. NOTE: This system is not designed to be installed over any existing silicone.

#### REQUIRED MATERIALS

1. Sealant – [Thermocone THS Sealant](#)
2. Base Coat – [Thermocone THS Silicone](#) (white or gray)
3. 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 cleaned using a high-pressure spray washer, with a minimum of 3,000 psi, and **clean water**, to remove all loose debris, dirt, chalking and other buildup. In areas where pressure washing would be prohibited due to existing substrate conditions, prepare these areas by using clean water only. Allow surface to completely dry.
3. Roof surface shall be thoroughly inspected. Loose felts and blisters shall be removed.
4. Any wet areas of insulation shall be removed and replaced with like materials or by using multiple build-up of the SPF insulation. All roof surfaces must be completely dry prior to any foam application.
5. All cants, curbs, pipes and projections shall be foamed in at least 6" above roof to tie in flashings and to form a positive slope at all projections.
6. Low areas of roof shall be built up as much as is practical to reduce ponding water (extreme ponding should have tapered SPF installed).
7. When foregoing is completed, entire roof and flashings shall be sprayed with 2.7 to 3.0 pound density, 2-component polyurethane foam with a 6.50R value per inch (K-Factor 0.15). Foam to be manufactured by BASF-FE or equal. (Do not spray in winds of excess of 15 mph.)
8. The average thickness of the foam shall be 1½", plus or minus ¼" tolerance.
9. 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.
10. All metal edge and gravel stop flashings shall be V-grooved and caulked with [Thermocone THS Sealant](#), to prevent cracking and separation. All metal shall be installed per FM recommendations for appropriate region location.
11. 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.
12. Apply additional 1-gal/sq [Thermocone THS Silicone](#) around **each** drain and scupper on the roof. Also apply 1-gal/sq of [Thermocone THS Silicone](#) to any ponding areas on the roof that do not fully dry after 72 hours.
13. 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 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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