

# THERMO MATERIALS®

## THERMOLASTIC® EPDM 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 an **Acrylic Repair and Restoration System** for a properly prepared aged EPDM roof.

#### REQUIRED MATERIALS

1. Surface Primer – [Thermo #150 Primer](#) (500 sq ft/gal)
2. Reinforcement Fabric – [Thermopolyester SB-075](#) (6" width minimum)
3. Admixture – [Mastecell](#) (up to 40% by volume)
4. Drains – [Thermolastic® Super Prep®](#)
5. Base Coat – [Thermolastic® Super Prep®](#) (white or gray)
6. Surface Coat – [Thermolastic® Super Prep®](#) (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. Apply [Thermo #150 Primer](#) Surface Primer starting at the low points of the roof and apply upslope. Allow [Thermo #150 Primer](#) Surface Primer to stand for a minimum of 20 minutes but not longer than 24 hours. Then immediately rinse downslope toward roof drainage points. If rain occurs during product application or prior to its' removal, a re-application of [Thermo #150 Primer](#) Surface Primer is required. Allow prepared surface to completely dry.
3. Upon the completion of the initial surface preparations, all seams shall be 3-coursed, defined as a layer of [Thermopolyester SB-075](#) Reinforcement Fabric sandwiched between 2 layers of flashing grade mastic created by adding [Mastecell](#) Admixture to the [Thermolastic® Super Prep®](#) Base Coat and slowly mix to desired consistency. Apply the 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. All roof penetrations, curbs, transition points, splits, vents, drains and scuppers shall also be 3-coursed as defined in Step #3. Apply the [Thermopolyester SB-075](#) Reinforcement Fabric without fishmouths or wrinkles.
5. 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.
6. 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 [Thermolastic® Super Prep®](#) 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.
7. 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 [Thermolastic® Super Prep®](#) 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. After full cure of [Thermolastic® Super Prep®](#) Base Coat, apply a uniform 1½-gal/sq of [Thermolastic® Super Prep®](#) Surface Coat using a crosshatch pattern to that of the [Thermolastic® Super Prep®](#) 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.
9. Follow NRCA guidelines for any ponding areas on the roof.
10. Inspect all finished surfaces for proper mils and deficiencies in the application. Where necessary apply additional [Thermolastic® Super Prep®](#) 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® Mastics and Sealants are available. Call for details.



Eco-friendly, Sustainable Building Restoration Specialists