THERMO MATERIALS®
3-PLY HOT ALLOY/MODIFIED BASE ON STRUCTURAL CONCRETE 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 **3-ply Hot Alloy in Hot Asphalt** over a properly prepared structural concrete deck with ½" primed densdeck and 1½" insulation (optional).

REQUIRED MATERIALS

1. ½" primed densdeck and 1½' insulation *(fully adhered)* (optional)
2. Attachment of insulation and densdeck per local requirements *(fully adhered)* (optional)
3. Hot Asphalt – Type IV Asphalt *(ASTM D 312)* (acquire locally)
4. Base Sheet – Thermoflex 7025 *(1.5 sq SBS Polyester Base Sheet)*
5. Field Fabric – Hot Alloy 185 *(10 sq roll)*
6. Flashing Base – Thermoflex 7025 *(1.5 sq SBS Polyester Base Sheet)*
7. Flashing Cap – Thermoflex 7226 *(1 sq SBS Polyester Mineral Surfaced Cap Sheet)*
8. Reinforcement Fabric – Thermopolyester SB-075 *(6" width minimum)*
9. Drains – Thermolene® SEBS Stainblocker
10. Base Coat – Thermolene® SEBS Stainblocker *(stain blocking aluminum)*
11. Surface Coat – Thermolene® SEBS Reflective *(white)*

RECOMMENDED THERMO SYSTEM

1. Remove the existing roof down to the deck and clean as necessary. Deck surface is to be made free of latent moisture or loose debris by brooming or other means.
2. Attach optional insulation and densdeck per local project requirements.
3. Install a single ply of *Thermoflex 7025* Base Sheet using a 25 lb/sq minimum application of Type IV Asphalt. Offset each row of *Thermoflex 7025* Base Sheet a minimum of 12" to the previous row with end laps having a 6" minimum overlap and edges a 2" minimum overlap.
4. Over a properly prepared substrate, install 3 plies of *Hot Alloy 185* Field Fabric each fully adhered in a uniform 25 lb/sq application of Type IV Asphalt. Offset each layer of *Hot Alloy 185* Field Fabric a minimum of 12" to the previous layer and apply each layer in a shingle like fashion to that of the previous *Hot Alloy 185* Field Fabric. Apply the *Hot Alloy 185* Field Fabric without voids, fishmouths or wrinkles. Allow this assembly to fully cure.
5. Flashing assemblies shall consist of a *Thermoflex 7025* Flashing Base and a *Thermoflex 7226* Flashing Cap and each properly adhered in a uniformly applied layer of Type IV Asphalt mopped at a 25 lb/sq minimum.
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 *Thermolene® SEBS Stainblocker* 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.

   NOTE: *Use NRCA Guidelines for all membrane termination points based on actual project conditions and requirements.*
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 *Thermolene® SEBS Stainblocker* 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 the *Thermolene® SEBS Stainblocker* Base Coat, apply a uniform 1½-gal/sq of *Thermolene® SEBS Reflective* Surface Coat using a crosshatch pattern to that of the *Thermolene® SEBS Stainblocker* 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 *Thermolene® SEBS Reflective* 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 20-Year Labor & Material Warranty. Call for details regarding warranty application documentation requirements and warranty fee schedule.

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