

SECTION 07510

This specification shall be incorporated into selected Roof System when insulation is specified.

APPLICATION

Vapor Retarder (when specified). Spot mop the properly prepared and primed deck with hot asphalt, using 15 lbs. per 100 square feet and embed one ply of approved vapor retarder, lapped 2" on sides and 4" on ends. The approved vapor retarder shall extend 8" beyond curbs or eaves and up vertical surfaces.

Insulation. CertainTeed FlintBoard or other approved roof insulation is adhered in a full mopping of approved hot asphalt at a rate of 25 lbs. +/-15% per 100 square feet. Insulation panels should be no larger than 4' x 4'. Lay the insulation in parallel courses, with end joints staggered in adjoining courses. Butt each panel to adjoining panels. If insulation is being installed in multiple layers, succeeding layers are adhered in a full mopping of approved hot asphalt at a rate of 25 lbs. +/-15% per 100 square feet. All joints must be staggered and offset from the preceding layer.

Insulation Without Vapor Retarder. Apply insulation as described above to properly prepared and primed substrate (aggregate surface requires 35 lbs. +/-15%). Where mechanical attachment of insulation is acceptable, the insulation is attached with approved mechanical fasteners (refer to current FM Approval Guide for insulation and fastener specifications). Lay the insulation in parallel courses, with end joints staggered in adjoining courses. Butt each panel to adjoining panels. If additional layers of insulation are required, adhere as described above.

Application of Roofing shall progress with the laying of insulation. Apply insulation flush to vertical surfaces and wood nailers. After insulation is applied, return extended approved vapor retarder onto insulation and set in hot asphalt... see Vapor Retarder above. Cover all insulation with roofing at the close of each day.

Base Ply of selected Roof System is adhered in a full mopping of approved asphalt at a rate of 25 lbs./sq. +/-15%, except over urethane, isocyanurate, or styrene type insulation where CertainTeed recommends the use of a suitable cover board prior to the application of the base ply. Omit asphalt primer and original method of attachment specified in Selected Roof System.

Refer to Commercial Roofing Systems General Requirements Sections for definitions. General Requirements shall be used in conjunction with Roof System Specification. Insulation and/or recover specifications require the integration of appropriate addenda into the main specification.

FOR USE OVER NON-NAILABLE DECKS OR EXISTING INSULATED DECKS

2.01 ROOFING SYSTEM

Summary of Materials per 100 Square Feet.

Asphalt Primer (½ gallon)	4 lbs.
Type III Asphalt Spot Mopping	15 lbs.
†GLASBASE Base Sheet vapor retarder	25 lbs.
Type III Asphalt Full Mopping	25 lbs.
*CertainTeed FlintBoard and/or approved roof insulation (approved for FM Class 1 Constr.)	
Type III Asphalt Full Mopping to receive roofing	25 lbs.
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Approximate Total Finished Weight (without insulation)	94 lbs.

Asphalt.

Apply asphalt at a temperature between 400°F and 450°F.

Cants.

In angles of roof deck and vertical surfaces, the Roofing Contractor shall furnish and install an approved Cant Strip with a minimum 3" face.

* Contact your local CertainTeed office for approved roof insulations.

† Alternate approved CertainTeed Base Sheet vapor retarders include: FLEXIGLAS, FLINTLASTIC Base 20, ALL WEATHER/EMPIRE, or BLACK DIAMOND Base Sheet. Where full mopping is permissible two plies of FLINTGLAS Ply Sheet or FLINTGLAS Premium Ply Sheet may be used in lieu of the GLASBASE Base Sheet Vapor Retarder.

NOTE:

1. When vapor retarder is not required, omit Type III spot mopping and vapor retarder from this summary of materials.
2. Do not omit paragraphs in section 3.03 APPLICATION, change alphabetically.
3. CertainTeed approved roof insulation adhesive may be used in lieu of hot asphalt attachment. Consult insulation adhesive manufacturer for application instructions.