



technical bulletin

**Asphalt Roofing
Manufacturers Association**

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Recommendations Regarding Built-Up Roofing Asphalt

All grades of Built-Up Roofing Asphalt—Types I, II, III, and IV—should meet the current ASTM standard D 312. The asphalt producer should provide certification upon request.

Factors affecting your choice of the proper asphalt type include roof slope, environmental conditions, roofing standards in your area, and the type of construction on which the roof shall be applied. Consult the roofing manufacturer and/or specifier regarding proper asphalt type.

Asphalt should be homogeneous—in other words, free of water and all other debris. Application will be affected by temperature and wind conditions. In cold temperatures, the temperature at the point of application should be near the high end of the EVT (Equiviscous Temperature). For interply mopping and flood coating, follow the directions of the roofing manufacturer. Temperature at the point of application should be at the EVT: $\pm 25^{\circ}$ F.

[A] Temperature measurement equipment should be checked at periodic intervals to ensure proper thermal treatment of the asphalt. Excessive heating can cause degradation of the asphalt. EVT is the temperature at which roofing asphalt attains a viscosity of 125 centistokes. If the EVT is not known, the generally recommended asphalt temperatures at the point of application are:

- Type I $375^{\circ} \pm 25^{\circ}$ F
- Type II ... $400^{\circ} \pm 25^{\circ}$ F
- Type III ... $400^{\circ} \pm 25^{\circ}$ F
- Type IV ... $425^{\circ} \pm 25^{\circ}$ F

[B] Asphalt should not be heated to or above either its “flash point,” or its final blowing temperature. The asphalt should never be heated above 525° F, and should not be held between 500° - 525° F for more than 4 hours. The following information should be included on each carton of asphalt:

- ASTM D 312 Type I, II, III, or IV
- Flash Point
- Equiviscous Temperature

Note: For bulk asphalt, the above information should appear on the bill of lading and or the material safety data sheets.

[C] Recommendations for Storage:

- Store cartons and drums in upright position.
- Single-stack cartons
- Protect from moisture, adverse weather conditions, and all debris.
- Avoid prolonged exposure to sunlight.
- Bulk asphalt should be stored at a maximum of 325° F.

Note: These recommendations were prepared by and have the approval of the Asphalt Roofing Manufacturers Association for informational purposes only. They are not intended to revoke or change the requirements or specifications of the individual roofing material manufacturers or local, state and federal building officials that have jurisdiction in your area. Any question, or inquiry, as to the requirements, or specifications of a manufacturer, should be directed to the roofing manufacturer concerned.