

Appendix B

Figures of Asphalt Tests and Specifications

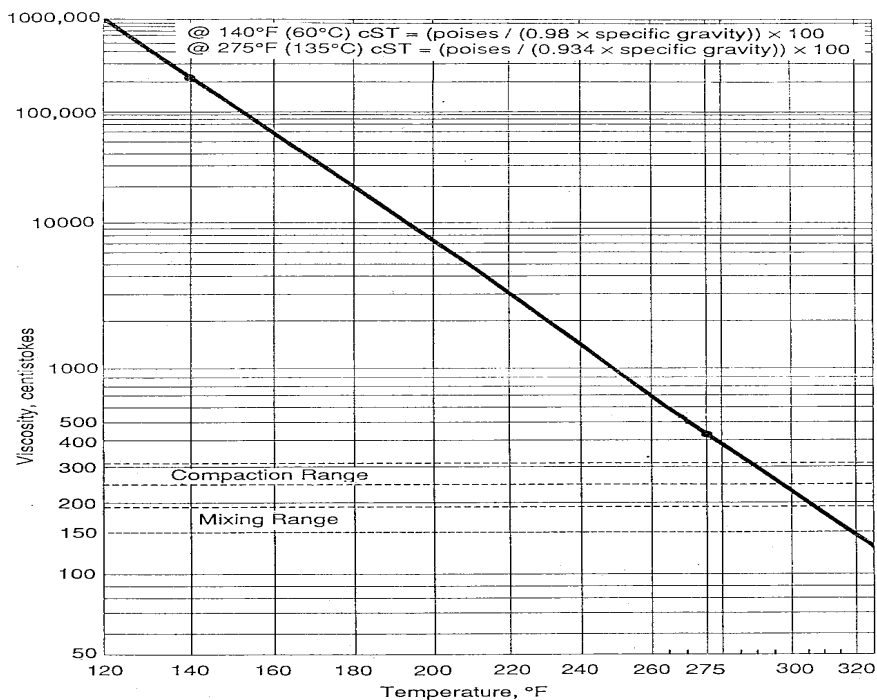


Figure 5.2 – Determination of Mixing and Compaction Temperatures

(d) *Preparation of Mold and Hammer* - Thoroughly clean the specimen mold assembly and the face of the compaction hammer and heat them in a water bath or on the hot plate to a temperature between 95°C and 150°C (200°F and 300°F). Place a piece of filter or waxed paper, cut to size, in the bottom of the mold before the mixture is placed in the mold.

Figure B.1: Asphalt Institute recommends

Mixing range at viscosity centistokes: 170±20

Compaction range at viscosity centistokes: 280±30

B-1

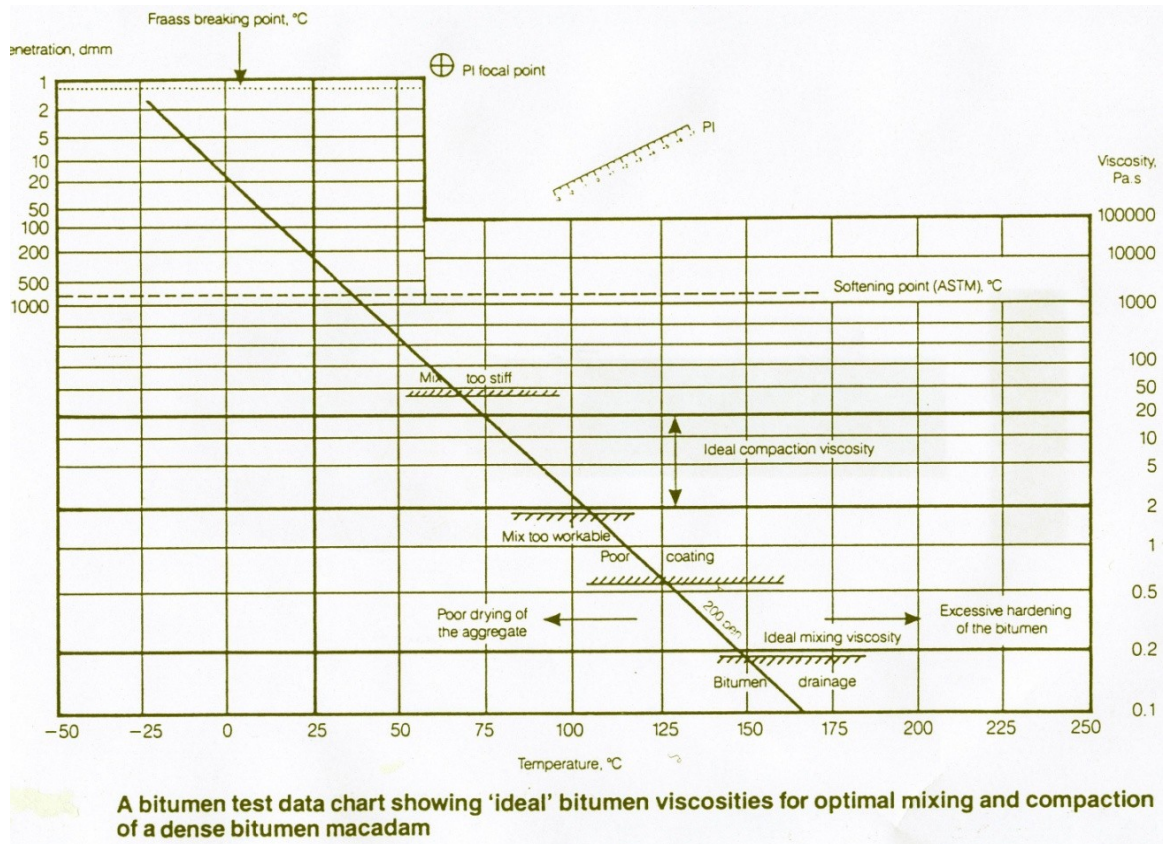


Figure B.2: A bitumen test data chart showing 'ideal' bitumen viscosities for optimal mixing and compaction of a dense bitumen macadam (Shell Bitumen Handbook, Whiteoak, 1990)

B-2