
Standard Method of Test for Kinematic Viscosity of Asphalts (Bitumens)

AASHTO Designation: T 201-22

Technically Revised: 2022

Technical Subcommittee: 2b, Liquid Asphalt

ASTM Designation: D2170/D2170M-10



**American Association of State Highway and Transportation Officials
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AASHTO T 201-22 is identical to ASTM D2170/D2170M-10 except for the following provisions:

1. All references to ASTM D92 shall be replaced with AASHTO T 48. Add reference to Fed. Std. No. 29, CFR 1910.1200 OSHA Hazard Communication Standard and Permissible Exposure Limits—Annotated Tables.
2. Add reference in Section 2 for the AASHTO standard:
 - M 339M/M 339, Thermometers Used in the Testing of Construction Materials
3. Add references in Section 2 for ASTM standards:
 - E230/E230M, Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
 - E1137/E1137M, Standard Specification for Industrial Platinum Resistance Thermometers
 - E2877, Standard Guide for Digital Contact Thermometers
4. Delete references in Section 2 for ASTM standards that no longer apply:
 - E77, Test Method for Inspection and Verification of Thermometers
5. Add the following to Section 2:
 - 2.3. *International Electrotechnical Commission Standards:*
 - IEC 60584-1: 2013 Thermocouples - Part 1: EMF Specifications and Tolerances
 - IEC 60751: 2008 Industrial Platinum Resistance Thermometers and Platinum Temperature Sensors
6. Delete the 1 in front of cm²/s in the fourth sentence of Section 3.1.2.
7. Replace all of Section 6.2 (including subsections 6.2.1 through 6.2.3 and existing Notes 4, 5, and 6) with the following:

6.2. *Thermometer*—Thermometers for monitoring and adjusting the temperature of a viscometer bath, while completing the test procedure as described in Section 8, shall meet the requirements of M 339M/M 339 using one of two temperature ranges as follows:

6.2.1. With a temperature range of at least 59 to 61°C (138 to 142°F), and an accuracy of ±0.03°C (±0.06°F); or,

6.2.2. With a temperature range of at least 134 to 136°C (273 to 277°F), and an accuracy of ±0.03°C (±0.06°F) (see Note 4).