

METHOD OF TEST FOR KINEMATIC VISCOSITY OF ASPHALTS

1. SCOPE

1.1 This method describes test procedures for the determination of kinematic viscosity of asphalt cements, cut-back asphalts, distillation residues and road oil.

1.2 The test is normally carried out at 60°C and 135°C.

1.3 The viscosities, normally measured, range from 20 to 35,000 square millimetres per second.

1.4 The Zeitfuchs cross-arm viscometer is the instrument used for the determination of the kinematic viscosity. The minimum efflux time is 60 s.

2. RELEVANT DOCUMENT

2.1 ASTM D 2170

3. PROCEDURE

3.1 Procedure of ASTM D 2170 shall be followed, except as noted below.

4. EXCEPTION

MATERIALS	TEST TEMPERATURE °C	VISCOSITY RANGE mm ² /s	TUBE CONSTANT
85/100 A.C. 150/200 A.C.	135	200 - 400	3.0
300/400 A.C.	135	120 - 180	1.0
M.I.P.	60	120 - 180	1.0
M.C. 30 R.C. 30	60	30 - 60	0.3
R.C. 70 M.C. 70 S.C. 70	60	70 - 140	1.0
R.C. 250 M.C. 250 S.C. 250	60	250 - 500	3.0
R.C. 800 M.C. 800 S.C. 800	60	800 - 1600	10.0
R.C. 3000 M.C. 3000 S.C. 3000	60	3000 - 6000	30.0