
Standard Specification for Cutback Asphalt (Rapid-Curing Type)

AASHTO Designation: M 81-92 (2021)

Technically Revised: 1992

Reviewed but Not Updated: 2021

Technical Subcommittee: 2a, Emulsified Asphalts



**American Association of State Highway and Transportation Officials
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1. SCOPE

- 1.1. This specification covers liquid petroleum products, produced by fluxing an asphalt base with suitable petroleum distillates, to be used in the treatment of road surfaces.
- 1.2. The values stated in SI units are to be regarded as the standard.

2. GENERAL REQUIREMENTS

- 2.1. The cutback asphalt shall show no separation or curdling prior to use and shall not foam when heated to the application temperature.

3. PROPERTIES

- 3.1. Cutback asphalt of the grade designated shall conform to the requirements shown in Table 1.

4. METHODS OF SAMPLING AND TESTING

- 4.1. Sampling and testing cutback asphalt (rapid-curing type) shall be in accordance with the following AASHTO and ASTM standards:
- R 66, Sampling Asphalt Materials
 - T 44, Solubility of Bituminous Materials
 - T 49, Penetration of Bituminous Materials
 - T 51, Ductility of Asphalt Materials
 - T 72, Saybolt Viscosity
 - T 78, Distillation of Cutback Asphalt Products
 - T 79, Flash Point with Tag Open-Cup Apparatus for Use with Material Having a Flash Point Less Than 93°C (200°F)
 - T 102, Spot Test of Asphaltic Materials
 - T 201, Kinematic Viscosity of Asphalts (Bitumens)
 - T 202, Viscosity of Asphalts by Vacuum Capillary Viscometer
 - ASTM D95, Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation