

SECTION 117

ASPHALT REJUVENATING AGENTS

117.1 GENERAL

117.1 Type I asphalt rejuvenating agent, a cationic oil and resin emulsion, shall be composed of a petroleum resin oil base uniformly emulsified with water and conforming to the requirements contained herein.

117.2 Asphalt rejuvenating agents shall not be used except under the provisions in the approved supplemental technical specifications.

117.2 REFERENCES

117.2.1 ASTM

D 244
D 445

117.3 TESTING REQUIREMENTS

Table 117.3 indicates testing requirements for asphalt rejuvenating agents.

117.4 CERTIFICATION

The CONTRACTOR shall furnish the ENGINEER with the brand name and name of the manufacturer of the asphalt rejuvenating agent he proposes to use and the material shall be approved by the ENGINEER before it is used. The CONTRACTOR shall also furnish the ENGINEER with a manufacturer's certificate of compliance indicating quantity and specification control.

117.5 MEASUREMENT AND PAYMENT

117.5.1 If this material is to be paid for as a separate item, then the measurement and payment shall be by the treated square yard.

117.5.2 If this material is to be combined with other items as a complete unit, then the measurement and payment will be made in accordance with the applicable section and per the Bid Proposal.

TABLE 117.3

ASPHALT REJUVENATING AGENT TEST REQUIREMENT

Specification Designation	Test Method	Requirements
Viscosity, S.F., at 77° F Sec.	ASTM D 244	15-40
Residue, % (1)	ASTM D 244 (Mod.)	58-62
Cement Mixing Test, %	ASTM D 244	Zero
Sieve Test, % Max. (2)	ASTM D 244 (Mod.)	0.10
Particle Charge Test	ASTM D 244	Positive
Test on Residue from ASTM D 244		
Viscosity, cs., 140° F	ASTM D 445	100-200

ASTM D 244 Modified Evaporation Test for percent residue is made by heating 50 gram sample to 300 degrees F until foaming ceases, then cool immediately and calculate results.

Test procedure identical with ASTM D 244 except that distilled water shall be used in place of 2 percent sodium oleate solution.