

State: Kentucky	Materials: Re: Section 806 - Asphalt Materials
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Kentucky		Table 1: Requirements for Emulsified Asphalts (1)				
Property		Test Method AASHTO (T)	Rapid-Setting	Slow-Setting		
			RS-2 (1.)	SS-1 (1.)	SS-1h (1.)	CSS-1h (2.)
EMULSIONS:						
Viscosity, Saybolt Furol seconds	25 °C (77 °F)	T 59	-	20-100	20-100	20-100
	50 °C (122 °F)		75-400	-	-	
Storage Stability Test, 24 hours, %			≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Sieve Test, %			≤ 0.10	≤ 0.10	≤ 0.10	≤ 0.10
Demulsibility, %			≥ 60	-	-	
Residue, %			≥ 65	≥ 57	≥ 57	≥ 57
DISTILLATION RESIDUE:						
Penetration, 25 °C (77 °F), tenths of mm		T 49	90-150	90-250	40-90	40-90
Ductility, 25 °C (77 °F), cm		T 51	≥ 40	≥ 40	≥ 40	≥ 40
Ash Content, %		T 111	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
NOTES:		<ol style="list-style-type: none"> Conform to AASHTO M 140 with the following exceptions and requirements of the Emulsified Asphalt Requirements and Price adjustment schedule except the cement-mixing test is not required (806.04.02) Conform to AASHTO M 208 and requirements of the Emulsified Asphalt Requirements and Price adjustment schedule except the cement-mixing test is not required (806.04.03) 				

Kentucky		Table 2: Requirements for High Float Emulsified Asphalt ^(1.)		
Property		Test Method AASHTO (T), ASTM (D), or Other	Rapid-Setting	Medium-Setting
			HFRS-2	HFMS-2
EMULSIONS:				
Viscosity, Saybolt Furol seconds	25 °C (77 °F)	T 59	-	-
	50 °C (122 °F)		75-400	≥ 100
Storage Stability Test, 24 hours, %			≤ 1.0	≤ 1.0
Sieve Test, %			≤ 0.10	≤ 0.10
Demulsibility, %			≥ 50	-
Residue, %			≥ 65	≥ 65
Oil Distillate, volume of emulsion, %			-	-
DISTILLATION RESIDUE:				
Penetration, 25 °C (77 °F), tenths of mm		T 49	100-250	90-250
Ductility, 25 °C (77 °F), cm		T 51	≥ 40	≥ 40
Ash Content, %		T 111	≤ 1.0	≤ 1.0
Float Test at 60 °C (140 °F), seconds		T 50	≥ 1200	≥ 1200
NOTES:		1. Conform to AASHTO M 140 with the following exceptions and requirements of the Emulsified Asphalt Requirements and Price adjustment schedule except the cement-mixing test is not required (806.04.02)		

Kentucky		Table 3: Requirements for Polymer Modified Asphalt Emulsions (1.)			
Property	Test Method AASHTO (T), ASTM (D), or Other				
		CRS-2P	CQS-1hP	CQS-1hL	
EMULSIONS:					
Viscosity, Saybolt Furol Seconds, range	25 °C (77 °F)	T 59	-	20 – 100	20 - 100
	50 °C (122 °F)		100-400		
Settlement, 5 days, %			-		
Storage Stability Test, 24 hours, %			≤ 1.0		
Sieve Test, %			≤ 0.10	≤ 0.10	≤ 0.10
Particle Charge Test			Positive	Positive	Positive
Demulsibility, %			≥ 40		
Residue by Distillation, %			T 59	≥ 65	≥ 62
DISTILLATION RESIDUE:					
Penetration, 25 °C (77 °F), tenths of mm		T 49	90-150	40 – 90	40 - 90
Ductility, 4 °C (39 °F), cm		T 51	≥ 30		
Ductility, 25 °C (77 °F), cm		T 51		≥ 40	≥ 40
Elastic Recovery, 25 C° (77 °F) %		T 301	≥ 60		
Elastic Recovery, 10 C° (50°F) %		T 301		≥ 50	≥ 50
Ash Content, %		T 111	≤ 1.0	≤ 1.0	≤ 1.0
NOTES:		1. These materials are designed to be used in microsurfacing, chip seals, and SAMIs. Make the polymer modification to the base asphalt before emulsification process. Ensure that polymer-modified emulsions conform to AASHTO M 316 and Polymer Asphalt Emulsion Requirements and Price Adjustment Schedule (806.05)			

Kentucky		Table 4: Requirements for Specialty Emulsified Asphalts	
Property		Test Method AASHTO (T), ASTM (D), or Other	AE-200
EMULSIONS:			
Viscosity, Saybolt Furol seconds	25 °C (77 °F)	T 59	≥ 50
	50 °C (122 °F)		-
Storage Stability Test, 24 hours, %			≤ 1.0
Coating Test, % (1.)			≥ 95
Residue, %			≥ 60
Oil Distillate, volume of emulsion, %			0 - 6
DISTILLATION RESIDUE:			
Ash Content, %		T 111	≤ 1.0
Float Test at 60 °C (140 °F), seconds		T 50	≥ 1200
NOTES:		1. Use Tyrone Formation limestone as the reference aggregate for the coating test	

<i>Kentucky</i>		Table 5: Requirements for Non-Tracking Tack Emulsion	
Property		Test Method AASHTO (T), ASTM (D), or Other	Non-Tracking Tack Emulsion (1)
EMULSIONS:			
Viscosity, Saybolt Furol Seconds	25 °C (77 °F)	T 59	20-100
	50 °C (122 °F)		-
Sieve, %			0.30 max.
Residue by Distillation, %			50 min.
RESIDUE FROM DISTILLATION:			
Penetration, 25 °C (77 °F), tenths of mm		T 49	30 Max
Softening Point, °F		T 53	149 min.
Original Dynamic Shear (G*/sin δ), 82°C		T 315	1.0 min
NOTES:		1. Non-tracking Tack Emulsion added in the Jan 2026 Standard Specification	