

State: Florida	Materials: Re: Section 916-3.1
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Florida		Table 1: Requirements for Asphalt Emulsion Prime Coat Material											
Property	Test Method AASHTO (T)	AEP	NTSS-1HM	SP-MS (3)	SS-1h	CSS-1h	BC-1hT	NTCRS-1HM	NTQSI	ePrime	QSP	PATT	
EMULSIONS:													
Viscosity, Saybolt Furol Seconds	25 °C (77 °F)	20-150		45 min.	20-100		10-150	20-100			10-100		
Storage Stability Test, 24 hours, %	T 59	1.0 max.							3.0 max.	1.0 max.		3.0 max.	
Sieve, %		0.10 max.	0.30 max. (1)	0.10 max.		0.10 max. (1)	0.30 max.	0.15 max.	0.10 max.		0.30 max.	0.10 max.	
Particle Charge		-				Positive		-					
Demulsibility, %		-		65 min.	-		-	60 min.	-				
Cement Mixing Test, %		-			2.0 max.			-					
Residue, %		55 min.	50 min.	62 min.	57 min.		50 min.	55 min.	50 min.	58 min.	30 min.	50 min.	
Naphtha Content, % by volume		12 max.	1 max.	8 max.	-				1 max.			3 max.	
Table 1 Continues on page 2													

To ensure the most accurate and current information, the specific agency should be contacted.

Florida	Table 1 continued: Requirements for Asphalt Emulsion Prime Coat Material												
Property	Test Method AASHTO (T)	AEP	NTSS- 1HM	SP-MS (3)	SS-1h	CSS-1h	BC-1hT	NTCRS- 1hM	NTQSI	ePrime	QSP	PATT	
RESIDUE FROM DISTILLATION (2):													
Penetration, 25 °C (77 °F), tenths of mm	T 49	40-200	20 max.	50 min.	40-90		-			30-120	-	min. 30	
Ductility, 25 °C (77 °F), cm	T 51	-		40 min.			-						
Absolute Viscosity, 60 °C (140 °F), Poise (cSt)	T 202	-		800 min.	-								
Flash Point, °F	T 48	-											
Solubility in trichloroethylene, %	T 44	97.5 min.											
Softening Point (°F)	T 53	-	149 min.	-									
MSCR, Jnr @ 3.2/kpa, @ 64°C	T 350	-					1.5 max	-					
Dynamic Shear Rheometer, kPa	T 315	-	1.00-6.00 @ 88°C	-			1.00-6.00 @ 76°C		1.00-6.00 @ 82°C	-	1.00 @ 70°C	1.00-6.00 @ 70°C	
NOTES:													
<ol style="list-style-type: none"> 1. Sieve test may be waived if there are no application problems in the field. 2. Residue testing shall be performed on residue obtained from distillation, AASHTO T59-16 or low-temperature evaporation (AASHTO R 78-16) (2020). 3. Maximum application temperature shall be 170°F 													

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Florida		Table 2: Requirements for Trackless Tack				
Property	Test Method AASHTO (T), ASTM (D)	NTSS-1hM	BC-1hT	NTCRS-1hM	PATT	NTQSI
EMULSIONS:						
Viscosity, Saybolt Furool Seconds	25 °C (77 °F)	20-150	10-150	20-100	10-150	20-200
Storage Stability Test, 24 hours, %	T 59	1.0 max.				3.0 max.
Sieve, %		0.30 max. (1)	0.30 max.	0.15 max.	0.30 max.	0.10 max.
Particle Charge		-	positive		-	
Demulsibility, %		-	60 min.	-		
Residue, %		50 min.	55 min.	50 min.		
Naphtha Content, % by volume		1 max.	-	3 max.	1 max.	
RESIDUE FROM DISTILLATION (2):						
Penetration, 25 °C (77 °F), tenths of mm	T 49	20 max.	-	-	30 min.	-
Ductility, 25 °C (77 °F), cm	T 51	-	-	40 min.	-	-
Solubility in trichloroethylene, %	T 44	97.5 min.	95 min.	97.5 min.		
Softening Point (°F)	T 53	149 min.	-			
Dynamic Shear Rheometer, kPa, min.	T 315	1.00-6.00 @ 88°C	1.00-6.00 @ 76°C		1.00-6.00 @ 70°C	1.00-6.00 @ 82°C
MSCR, Jnr @ 3.2/kpa, @ 64°C	T 350	-	1.5 max	-		
NOTES:	<ol style="list-style-type: none"> Sieve test may be waived if there are no application problems in the field. Residue testing shall be performed on residue obtained from distillation, AASHTO T59-16 or low-temperature evaporation (AASHTO R 78-16) (2020). FM5-624 required: Test procedure to identify if emulsion will re-emulsify after breaking when exposed to a rain shower prior to paving. 					

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