

State: Connecticut	Specification: Re: Section M.04.01.5, Bituminous Concrete Materials
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Connecticut		Table 1: Requirements for Anionic Emulsified Asphalts (1)			
Property	Test Method AASHTO (T), ASTM (D), or Other	Rapid-Setting		Slow-Setting	
		RS-1 (2)	RS-1h	SS-1 (3)	SS-1h (3)
Viscosity, Saybolt Furol seconds	25 °C (77 °F)	20-100			
	50 °C (122 °F)	-	-	-	-
Settlement, 5 days, %		-	-	-	-
Storage Stability Test, 24 hours, % (4)		1 max.			
Sieve Test, % (4)		0.10 max.			
Demulsibility, % (5)		60 min.	60 min.	-	-
Cement Mixing Test, %		-	-	2.0 max.	2.0 max.
Coating Ability and Water Resistance	Dry Aggregate	-			
	After Spraying				
	Wet Aggregate				
	After Spraying				
Residue, %		55 min.	55 min.	57 min.	57 min.
Penetration, 25 °C (77 °F), tenths of mm	T 49	90-150	40-90	90-250	40-90
Ductility, 25 °C (77 °F), cm	T 51	40 min.			
Ash content, %	T 111	1.0 max.			
NOTES:	<ol style="list-style-type: none"> 1. Refer to R5 for typical applications. 2. Materials used for tack coat shall be grade RS-1 or RS-1h. 3. When ambient temperatures are 80 °F (27 °C) and rising, grade SS-1 or SS-1h may be substituted if approved by the Engineer. 4. This test requirement on representative samples is waived if successful application of the material has been achieved in the field. 5. The demulsibility test shall be performed within 30 days from the date of shipment. Use 35 ml, 0.02 N CaCl₂ solution. 				

Connecticut		Table 2: Requirements for Cationic Emulsified Asphalts (1)			
Property	Test Method AASHTO (T), ASTM (D), or Other	Rapid-Setting	Slow-Setting		Reduced Tracking
		CRS-1 (2)	CSS-1	CSS-1h	NTT
EMULSIONS:					
Viscosity, Saybolt Furol seconds	25 °C (77 °F)	-	20-100	20-100	20-100
	50 °C (122 °F)	20-100	-	-	-
Settlement, 5 days, %	(4)	-			
Storage Stability Test, 24 hours, %	(5)	1 max.			
Sieve Test, %	(5)	0.10 max.			0.30 max
Particle Charge		Positive			-
Demulsibility, %	(4,6)	40 min.			-
Cement Mixing Test, %		-	2.0 max.	2.0 max.	-
Coating Ability and Water Resistance	Dry Aggregate	-			
	After Spraying				
	Wet Aggregate				
	After Spraying				
Residue, %		60 min.	57 min.	57 min.	50 min.
Oil Distillate, volume of emulsion, %		3 max.			1 max.
pH	T 200	-			
DISTILLATION RESIDUE:					
Penetration, 25 °C (77 °F), tenths of mm	T 49	90-150	90-250	40-90	10-40
Ductility, 25 °C (77 °F), cm	T 51	40 min.			
Original DSR, G*/sin delta @ 70 °C, kPa	T 315	-		-	1.0 min.
Ash content, %	T 111	1.0 max.			
NOTES:	<ol style="list-style-type: none"> 1. Refer to R5 for typical applications. 2. Materials used for tack coat shall be grade CRS-1. 3. When ambient temperatures are 80 °F (27 °C) and rising, grade CSS-1 or CSS-1h may be substituted if approved by the Engineer. 4. The settlement and demulsibility test will not be performed unless deemed necessary by the DRM. 5. This test requirement on representative samples is waived if successful application of the material has been achieved in the field. 6. Use 35 ml of 0.8% sodium dioctyl sulfosuccinate solution. 				