

2020 SPECIFICATION CHANGES

MID-ATLANTIC ASPHALT EXPO & CONFERENCE

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SS 210 & SS310: Tack Requirements



SS210: Binder & Tack Spec

- Will use “the Curve” (MSCR Grading) for % recovery of binder**
 - Reference to AASHTO R92
- Some Minor Clarifications on Emulsion Testing**
- New Requirements for Non-Tracking and Hot-Applied Tacks**

SS210: Non-Tracking Tack Requirement

□ Based on Discussion with Binder Suppliers

Property	Test Method	Min	Max
Residue by Evaporation, %	AASHTO T59	50	
Viscosity, 77° F	AASHTO T59		100
Sieve (plant)	AASHTO T59		0.1%
Sieve (field)	AASHTO T59		0.3%
Penetration	AASHTO T49		50
Softening Point	AASHTO T 53	60° C	

SS210: Hot-Applied Tack Requirement

□ Based on Discussion with Binder Suppliers

Test	Test Method	Min	Max
Penetration, 25°C, 100g, 5s (dmm)	AASTHO T49		35
Softening Point (°C)	ASTM D36	70	
Rotational Viscosity, 149°C, (Pa-s)	AASHTO T316		3.0
Ductility, 25°C, (cm)	ASTM D113-17	20	

Pavement Shoulder Wedge

- Roadways without curb and gutter
- Roadways with paved shoulder widths ≤ 4 feet
- Roadways with speed limits greater than 35 mph
- New asphalt final lift thickness ≥ 1.25 inches
- Other roads as determined by the Engineer as practical and feasible



Plastic Inlaid Markers

	SRPMs	PIMs
		
Weight	5.5 lbs	3 oz
Life Expectancy (holder)	Life of the pavement when properly installed	Life of the pavement when properly installed
Life Expectancy (lens)	3 years	3 years
Cost for complete marker	\$31 EA in asphalt**	\$30~\$35 in asphalt**

Pavement Recycling: FDR, CIR, and CCPR



Thank You