

Roadway Cheat Sheet

The following are some common Asphalt Pavement (Roadway) Spec Requirements
Check your project's Specifications for a complete list & project's actual Spec requirements.

<u>Tack Spread Rate</u>		<u>QC</u> 2/per day	<u>VT</u> 1/per day		
		Tack Coat Application Rates		300-8.4 Application Rates	
		Spec Year Range --->	Jan 2013 - July 2015	Jan 2016 - July 2019	Jan 2020 - Present
		Spec Table # --->	Table 300-1	Table 300-2	Table 300-2
Asphalt Mixture Type	Underlying Pavement Surface	Target Tack Rate (gal/yd ²)	Target Tack Rate (gal/yd ²)	Target Tack Rate (gal/yd ²)	
Base Course, Structural Course, Dense-Graded Friction Course	Newly Constructed Asphalt Layers	0.03 minimum	0.04 minimum	0.05 minimum	
	Milled Surface or Oxidized and Cracked Pavement	0.06	0.07	0.07	
	Concrete Pavement	0.08	0.09	0.09	
Open-Graded Friction Course	Newly Constructed Asphalt Layers	0.05	0.06	0.06	
	Milled Surface	0.07	0.08	0.08	

Allowable target spread rate tolerance is +/- 0.01 gal/yd² unless minimum is noted.

<u>Mix Spread Rate</u>	<u>QC</u> 1/200 tons	<u>VT</u> 1/day/lift
use min. 5 trucks, max. 10 trucks		

<u>Mix Temperature</u>	<u>QC</u> First 5 trucks, then 1/5 trucks	<u>VT</u> 2/day
REJECT truck if outside tolerances in Table 320-2		
Test every truck if temps outside Table 320-3, return to 1/5 when temps are within Table 320-3		

Table 320-2 Mix Temperature Master Range Tolerance	
Location	Acceptable Temperature Tolerance
Plant	Mixing Temperature ±30 F
Roadway (mix in truck)	Compaction Temperature ±30°F
Roadway (mix in windrow)	Compaction Temperature +30°F, -40°F

Table 320-3 Mix Temperature Tolerance From Verified Mix Design	
Any Single Measurement	±25°F
Average of Any Five Consecutive Measurements	±15°F

<u>Cross Slope (Milled & Paved)</u>	<u>QC</u>	<u>VT</u>
Tangents	1/100 ft (1/200 ft, if approved)	10/mile
Supers	1/100 ft (min. 3)	min. 3
Transitions	Control Points in plans	Control Points in plans

Meet tolerances of Table 330-4

Table 330-4 Cross Slope Acceptance Tolerance		
Roadway Feature	Individual Absolute Deviation	Average Absolute Deviation
Tangent section (including turn lanes)	0.4%	0.2%
Superelevated curve	0.4%	0.2%
Shoulder	0.5%	0.5%