

**SECTION 702
ASPHALT MATERIALS**

702-2.01 ASPHALT BINDER. *Replace this subsection with the following:*

Meet AASHTO M 320 or M 332 for the specified Performance Grade, except as indicated in Table 702-2.01-1 Exceptions to Performance-Graded Binder Specifications.

**TABLE 702-2.01-1
EXCEPTIONS TO PERFORMANCE-GRADED ASPHALT BINDER SPECIFICATIONS**

Performance Grade	AASHTO Spec.	Viscosity AASHTO T316	MSCR, AASHTO T 350			PAV, Dynamic Shear AASHTO T315	Direct Tension AASHTO T 314
			J _{NR3.2} kPa ⁻¹	J _{NR} Diff	% Rec _{3.2}		
PG 52-28	M 320	None	---	---	---	None	Delete
PG 52-34 E	M 332	None	None	Delete	60 min.	None	Delete
PG 58-28 E	M 332	None	None	Delete	60 min.	None	Delete
PG 58-34 V	M 332	None	None	Delete	60 min.	None	Delete
PG 64-28 E	M 332	None	None	Delete	60 min.	None	Delete
PG 52-40 E	M 332	None	None	Delete	75 min.	None	Delete
PG 58-34 E	M 332	None	0.25 max.	Delete	85 min.	None	Delete
PG 64-40 E	M 332	1.0 Pa•s max.	0.10 max.	Delete	95 min.	5,000 max @ 4°C	Delete

None indicates no exceptions from the listed test. Delete indicates this property is not required from the listed test.

Use asphalt binders without re-refined engine oil bottoms (REOB) / vacuum tower extenders (VTAE) as a modifier. REOB/VTAE are materials as defined in the Asphalt Institute document IS-235. Furnish a certificate of compliance according to Subsection 106-1.05.1 certifying that REOB/VTAE were not used as a modifier of asphalt binder.

702-2.07 WARM MIX ASPHALT (WMA). *Add the following to Table 702-3:*

WMA Technology	Process Type	WMA Supplier
AD-here ULTRA 1	Chemical Additive	Arkema – Road Science
Cecabase RT	Chemical Additive	Arkema – Road Science