**NOTICE**

This Standard Special Provision (SSP) revises or modifies CDOT’s Standard Specifications for Road and Bridge Construction. These are the official instructions for its use on CDOT construction projects, and have been reviewed, approved, and issued by the Construction Engineering Services Branch. Use as written without change. Do not use modified versions of this SSP on CDOT construction projects. Do not use this special provision on CDOT projects in a manner other than specified in the instructions without approval by CDOT’s Standards and Specifications Unit. The instructions for use appear below.

Other agencies using the Standard Specifications for Road and Bridge Construction to administer construction projects may use this special provision appropriately and at their own risk.

**Instructions for use on CDOT construction projects:**

Use this standard special provision on all projects.

Revise Section 702 of the standard specifications as follows:

Table 702-1 shall be replaced with the following:

Table 702-1
SUPERPAVE PERFORMANCE GRADED BINDERS

| **Property** | **Requirement for PG Binder** | **AASHTO****Test No.** |
| --- | --- | --- |
| **58-28** | **58-34** | **64-22** | **64-28** | **70-28** | **76-28** |
| **Original Binder Properties** |  |  |  |  |  |  |  |
| Flash Point Temp., °C, minimum | 230 | 230 | 230 | 230 | 230 | 230 | T 48 |
| Viscosity at 135 °C, Pa●s, maximum | 3 | 3 | 3 | 3 | 3 | 3 | T 316 |
| Dynamic Shear, Temp. °C, where G\*/Sin δ @ 10 rad/s ≥ 1.00 kPa | 58 | 58 | 64 | 64 | 70 | 76 | T 315 |
| Ductility, 4 **°**C (5 cm/min.), cm minimum | - | - | - | 50 |  | - | T 51 |
| Toughness, joules (inch-lbs) | - | - | - | 12.4 (110) |  | - | CP-L 2210 |
| Tenacity, joules (inch-lbs) | - | - | - | 8.5 (75) |  | - | CP-L 2210 |
| Acid or Alkali Modification (pass-fail) | Pass | Pass | Pass | Pass | Pass | Pass | CP-L 2214 |
| **Property** | **Requirement for PG Binder** | **AASHTO****Test No.** |
| **58-28** | **58-34** | **64-22** | **64-28** | **70-28** | **76-28** |
| **RTFO Residue Properties** |  |  |  |  |  |  | CP-L 2215 |
| Mass Loss, percent maximum | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | CP-L 2215 |
| Dynamic Shear, Temp. °C, where G\*/Sin δ @ 10 rad/s ≥ 2.20 kPa | 58 | 58 | 64 | 64 | 70 | 76 | T 315 |
| Elastic Recovery, 25 °C, percent min. | - | - | - | - | 50 | 50 | T 301 |
| Ductility, 4 **°**C (5 cm/min.), cm minimum | - | - | - | 20 | - | - | T 51 |
| **PAV Residue Properties, Aging Temperature** **100** °**C** |  |  |  |  |  |  | R 28 |
| Dynamic Shear, Temp. °C, where G\*●Sin δ @ 10 rad/s ≤ 6000 kPa | 19 | 16 | 25 | 22 | 25 | 28 | T 315 |
| Creep Stiffness, @ 60 s, Test Temperature in °C | -18 | -24 | -12 | -18 | -18 | -18 | T 315 |
| S, maximum, MPa | 300 | 300 | 300 | 300 | 300 | 300 | T 313 |
| m-value, minimum | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | T 313 |