



Certificate of Compliance

Manufacturer: Asphalt Coatings Engineering

Date: June 1, 2017

Address: 851 H Street, Wasco, CA 93280

Phone: 661 758-3051

Specification: A.S.M.A. STANDARD SPEC.-CALTRANS 37-4

Certificate Prepared For: ACE SEAL HD Polymer Modified Asphalt Sealer

Data and Requirements:

| | Minimum | Maximum | Ace Seal HD |
|--|---------------------------|------------------------------|---------------|
| Asphaltic Emulsion SS1H or CSS1H | | | PM-SS1H |
| Weight (per gallon) ASTM D244 | 9.0 lbs | | 9.8-10.2 lbs. |
| Cone Penetration ASTM D217-CA Test 413 | 340mm | 700mm | 350mm |
| % Non-Volatile ASMA A-1 | 50 | | 55 |
| % Non-Volatile Soluble in Tri-Cloethylene ASTM D2042 | 10 | 35 | 34.7 |
| Wet Track Abrasion ASTM D3910 | | 35 gram/ft ² loss | <1.0 g |
| Mineral Aggregate Components ASTM C136 | #16 Sieve 100% Passing | | Passes |
| Dried Film Color | Black | | Passes |
| Viscosity ASTM D562 | 75 KREB | | 95 |
| Accelerated Weathering Fed Spec TT-C-555B | No Deterioration | | Passes |
| Additives*: | | | |
| Color Pigment for Color Improvement | | | Yes |
| Polyamine for Added Water Resistance/Wear | | | Yes |
| SBR Asphalt Emulsion Modifier (Latex Additive) Increases toughness in high temp environments. | | | 3% |

* Not required by ASMA or Cal Trans Specifications

CONCLUSION:

The product being considered here has been designed to provide maintenance for asphalt surfaces in accordance with the specification indicated above.

We Certify that the material identified above meets or exceeds the specification indicated.

Manufacturing Department