

Evaluation Table

Product ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

708 – Waterborne Pavement Markings

708 Traffic Paint: Waterborne (Yellow)

ADOT Standard Specification: 708

Responsible Section: Traffic Group

Material Property	Specification / Test Method	Requirement	Results	Pass / Fail
Lead Concentration, max %	708-2.01(B) ASTM D3335	0.009		
Composition Requirements	708-2.01(B)	The manufacturer shall certify that the product contains no detectable concentrations of: Antimony, Arsenic, Cadmium, Mercury, Chromium (Inorganic); Chromium (Hexavalent), Toluene, Chlorinated solvents, Hydrolyzable chlorine derivatives, Ethylene-based glycol ethers and their acetates, and/or A carcinogen as defined in 29 CFR 1910.1200.		
Pigment, Percent by weight	708-2.01(D) ASTM D3723	Report Only		
Non-Volatile Content / Non-Volatile Vehicle, Percent by weight	708-2.01(D) ASTM D2369	Report Only		
Viscosity, Krebs Units at 77 ± 1 °F	708-2.01(D) ASTM D562	70-85		
Weight per Gallon: Pounds per gallon 77 ± 1 °F	708-2.01(D) ASTM D1475	Report Only		
Vehicle Composition: Vehicle Infrared Spectra	708-2.01(D) ASTM D2621	Report Only		
pH	708-2.01(D) ASTM E70	Report Only		

Material Property	Specification / Test Method	Requirement	Results	Pass / Fail
Fineness of Dispersion, HEGMAN, min	708-2.01(D) ASTM D121	3.0		
Volatile Organic Compounds: Pounds per gallon of paint, max	708-2.01(D) ASTM D3960 (as per 7.1.2)	2.1		
Flash Point, Degrees F, min	708-2.01(D) ASTM D93 Method A	100		
Dry Time to No Pick Up (with no beads), minutes, max	708-2.01(D) ASTM D711	10		
Dry Through Time: except no thumb pressure is used when the thumb is rotated 90° on paint film, minutes, max	708-2.01(D) ASTM D1640	20		
Flexibility	708-2.01(D) ASTM D522, Method B	Pass		
Color of Yellow Paint	708-2.01(E)(1)	Yellow paint shall closely match Federal Standard 595b, Color No. 33538. (L 72.61, a 23.23, b 72.01)		
Dry Opacity, min	708-2.01(E)(2)	0.90		
Reflectance, min	708-2.01(E)(4)	42 - 59		
UV Color Durability, after 300 hrs exposure, max	708-2.01(E)(5) ASTM G154	Yellow paint shall closely match Federal Standard 595b, Color No. 33538. (L 72.61, a 23.23, b 72.01)		
Static Heat Stability: Viscosity, Krebs Units	708-2.01(E)(6) ASTM D562	68 - 90		
Heat-shear Stability: Viscosity, Krebs Units	708-2.01(E)(7) ASTM D562	68 - 95		
Scrub Resistance, cycles to remove the paint film, min	708-2.01(E)(8) ASTM D2486	800		
Effect of Freeze/Thaw Cycling on Viscosity	708-2.01(E)(10) ASTM D2243	No significant change		