



Bitumen Emulsion Specification

CMS-2

Property	Min	Max	Test Method
Viscosity, Saybolt Furol at 25°C, SFS	-	-	ASTM D7496
Viscosity, Saybolt Furol at 50°C, SFS	50	450	ASTM D7496
Storage stability test, 24-h, %	-	1	ASTM D6930
Demulsibility, 35mL, 0.8% dioctyl sodium sulfosuccinate, %	-	-	ASTM D6936
Coating ability and water resistance:			
Coating, dry aggregate	Good		ASTM D244
Coating, after spraying	Fair		ASTM D244
Coating, wet aggregate	Fair		ASTM D244
Coating, after spraying	Fair		ASTM D244
Particle charge test	positive	positive	ASTM D244
Sieve test, %	-	0.1	ASTM D6933
Cement mixing test,%	-	-	ASTM D6935
Distillation:			
Oil distillate, by volume of emulsion, %	-	12	ASTM D6997
Residue, %	65	-	ASTM D6997
Tests on residue from distillation test:			
Penetration, 25°C (77°F), 100g, 5s	100	250	ASTM D5
Ductility, 25°C (77°F), 5cm/min, cm	40	-	ASTM D113
Solubility in trichloroethylene, %	97.5	-	ASTM D2042