



Bitumen Emulsion Specification

CSS-1

Property	Min	Max	Test Method
Viscosity, Saybolt Furol at 25°C, SFS	20	100	ASTM D7496
Storage stability test, 24-h, %	-	1	ASTM D6930
Demulsibility, 35mL, 0.8% dioctyl sodium sulfosuccinate, %	-	-	ASTM D6936
Coating ability and water resistance:			
Particle charge test	positive	positive	ASTM D7402
Sieve test, %	-	0.1	ASTM D6933
Cement mixing test,%	-	2.0	ASTM D6935
Distillation:			
Oil distillate, by volume of emulsion, %	-	-	ASTM D6997
Residue, %	57	-	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