

CSS-1h PRODUCT DATA SHEET

EMULVIA® Emulsions



PRODUCT DESCRIPTION

CSS-1h is cationic water-based emulsified asphalt designed for use as a bituminous binder. Typical uses for this product include asphalt-aggregate mixes, soil and base stabilization, full depth reclamation, slurry seal and cape seal. Other uses could include prime coat, tack coat, and as a dust palliative or seal.

SPECIFICATIONS

CSS-1h conforms to the requirements of the North Carolina DOT, South Carolina DOT, Florida DOT and AASHTO M208 for cationic asphalt emulsions.

Test Property	Standard Reference	Tolerance
Residue	AASHTO M 208 & T 59	≥ 57%
Viscosity, sfs @ 77°F	AASHTO M 208 & T 59	20 to 100 sfs
Penetration, dmm @ 77°F	AASHTO M 208 & T 49	40 to 90 dmm
Sieve	AASHTO M 208 & T 59	0.1 max
Coating Test (when applicable)	AASHTO T 59	Uniform coating

PHYSICAL PROPERTIES

Specific Gravity @ 60°F: 1.000 – 1.100
 Boiling point: 212°F
 Solubility in water: Soluble
 Appearance and odor: Brown liquid, with a faint petroleum odor
 Flammability: Non-flammable in water-based state

STORAGE AND HANDLING

CSS-1h should not be exposed to freezing or extreme heating. We recommend an optimum application range of 60°F to 160°F, depending on usage application. Recommended storage temperatures are from 50°F to 100°F.