

CQS-1hLM PRODUCT DATA SHEET

EMULVIA® GRIP L

PRODUCT DESCRIPTION

CQS-1hLM is cationic water-based latex modified emulsified asphalt designed for use as a bituminous binder in micro surfacing applications. This product may be also used as a tack coat.



CQS-1hLM emulsion is blended with the chosen aggregate and placed as a pavement preservation treatment to seal pavement surfaces, renew surface texture to improve skid resistance, and is a cost effective way to extend the service life of an existing pavement. Micro surfacing can also be used to correct minor wheel path rutting prior to full lane width applications.

SPECIFICATIONS

CQS-1hLM conforms to the requirements of the North Carolina DOT and the South Carolina DOT (known as CQS Micro). CQS-1hLM meets the requirements of AASHTO M 208 for cationic asphalt emulsions and AASHTO M316 for polymer modified cationic asphalt emulsions.

Test Property	Standard Reference	Tolerance
Residue	AASHTO M 316 & T 59	≥ 62%
Viscosity, sfs @ 77°F	AASHTO M 316 & T 59	20 to 100 sfs
Penetration, dmm @ 77°F	AASHTO M 316 & T 49	40 to 90 dmm
Sieve	AASHTO M 316 & T 59	0.1 max
Softening Point, °F	AASHTO M 316 & T 53	≥ 135°F
Polymer Solids Content	AASHTO M316, state DOT	3% minimum

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

CQS-1hLM should not be exposed to freezing or extreme heating. Application of this product should be at ambient temperature. Recommended storage temperatures are from 50°F to 100°F.