

# NTCRS-1hM PRODUCT DATA SHEET

*EMULVIA CLEAN®*

## PRODUCT DESCRIPTION

NTCRS-1hM is cationic water-based emulsified asphalt designed for use as a bituminous binder. Typical use for this product is as a non-tracking tack coat.



HMA paving operations using conventional tack coats are subject to tire tracking issues. Truck tires, paver tracks and other vehicles that cross any tacked surface can wreak havoc on adjacent areas like driveways and concrete bridge decks. NTCRS-1hM has been formulated to eliminate tire tracking while providing fast breaking speed and the good bond required between HMA layers.

## SPECIFICATIONS

NTCRS-1hM conforms to the requirements of the North Carolina DOT, South Carolina DOT, Florida DOT, Virginia DOT, and is designed to meet the requirements of AASHTO M208 for cationic asphalt emulsions.

Test Property	Standard Reference	Tolerance
Residue	AASHTO T59	≥ 55%
Viscosity, sfs @ 77°F	AASHTO T59	20 to 100 sfs
Penetration, dmm @ 77°F	AASHTO T49	≤ 70 dmm
Sieve	AASHTO T59	0.15 max (0.10 in VA)
Softening Point	AASHTO T53	≥ 110°F (≥ 140°F in VA)
Tracking Test	State DOT authority	Varies by state

### 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

NTCRS-1hM should not be exposed to freezing, extreme heating or excessive pumping. Some DOT authorities specify application temperature ranges from 50°F to 175°F. We recommend an application temperature range of 160°F to 175°F. Recommended storage temperatures are from 50°F to 150°F.