

TECHNICAL DATA SHEET – Polymer Modified Rejuvenating Emulsified (PMRE)

DESCRIPTION

PMRE is a cationic polymer modified rejuvenating asphalt emulsion designed for use as a fog coat.

PHYSICAL PROPERTIES

- Boiling Point (°F): 212
- Specific Gravity (H₂O = 1): 1.01
- Solubility in Water: Dispersible
- Appearance and Odor: Brown liquid with Mild Petroleum Odor, Cures Black

PARAMETER	TEST METHOD	MIN	MAX
Tests on Emulsion Concentrate			
Saybolt Furol Viscosity, SFS @ 25°C	AASHTO T 59	50	150
Sieve Test	AASHTO T 59	----	0.1
Residue by Distillation	AASHTO T 59	65	----
Oil Distillate, %	AASHTO T 59	----	0.5
Storage Stability, 24 hr, %	AASHTO T 59	----	1.0
Particle Charge	AASHTO T 59	Positive	
Tests on Residue			
Viscosity @ 60°C, poises	AASHTO T 315	----	5000
Penetration @ 4°C, dmm	AASHTO T 49	20	70
Elastic Recovery @ 10°C, %	AASHTO T 301	50	----
Tests on Rejuvenating Agent			
Flash point, Cleveland Open Cup, °C	AASHTO T 48	190	----
Kinematic Viscosity, @ 60°C, cSt	AASHTO T 201	50	175
Saturates, % by weight	ASTM D 2007	----	30
Asphaltenes, % by weight	ASTM D 2007	----	1.0
Tests on Residue			
Mass Change, %	AASHTO T 240	----	6.5
Kinematic Viscosity, @ 60°C, cSt	AASHTO T 201	Report	
Kinematic Viscosity Ratio	-----	----	3

Storage		Application Temps	
Grade	Recommended Max Storage Temp	Recommended Range	Max Allowable
PMRE	180°F	130-160°F	180°F

Transportation: USDOT Not Regulated

LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to freeze or boil because of aggressive heating. PMRE IS NOT COMPATIBLE WITH ANIONIC EMULSIONS (RS, QS, SS, etc.). All equipment should be thoroughly cleaned if anionic emulsion was previously present.

CAUTION

For industrial use only. Refer to SDS for further information.

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