

TECHNICAL DATA SHEET – HFE-90

DESCRIPTION

HFE-90 is an anionic high floating asphalt emulsion. Used primarily in the construction of chip seal. A chip seal emulsion is one that will destabilize quickly when in contact with aggregate.

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			
Saybolt Furol Viscosity, SFS @ 50 °C	AASHTO T 72	50	--
Sieve Test, %	AASHTO T 59	--	0.1
Residue by Distillation, %	AASHTO T 59	65	--
Oil Distillate, %	AASHTO T 59	--	3.0
Storage Stability, 1 day, %	AASHTO T 59	--	1.0
Settlement, 5 days, %	AASHTO T 59	--	5.0
Demulsibility, %	AASHTO T 59	30	--
Tests on Residue			
Penetration @ 25 °C, dmm	AASHTO T 49	90	150
Float Test @ 140 °F	AASHTO T 51	1200	--

Storage		Application Temps	
Grade	Recommended Max Storage Temp	Recommended Range	Max Allowable
HFE-90	180°F	140-180°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. HFE-90 IS NOT COMPATIBLE WITH CATIONIC EMULSIONS (CRS, CQS, CSS, etc.). All equipment should be thoroughly cleaned if cationic emulsion was previously present.

CAUTION

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

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS.

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