

Description

Emulsified Asphalt Prime (or EAP) is a cationic emulsion used for priming and tacking. The material is applied through a distributor at a rate of .10 to .30 of a gallon per square yard depending on the surface to be treated. A small test section should be done prior to full production to determine proper application rate unless otherwise specified.

Physical Properties

Boiling Point – Approximately 100°C (212° F)

Percent Volatiles – None

Appearance – Brown Liquid

Flammability – Non-Flammable (liquid)

Weight Per Gallon – 8.4 lbs.

Solubility in Water – Dispersible

Odor – Mild Petroleum Odor

Specifications for Emulsified Asphalt Prime

The specification conforms to North Carolina DOT.

Property		Test Procedure (AASHTO)	Specification	
			Min	Max
Viscosity, Saybolt-Furol, 25°C (77°F), sec		T59, T72	10	50
Sieve Test, %		T59	—	0.1
Particle Charge		—	Positive	
Residue Determination	Residue by evaporation, % by weight	T59	15	—

Handling

Protect the emulsion from freezing.

Avoid overheating the emulsion.

Avoid excessive pumping with high shear pumps, especially if the emulsion is cool.

Storage and Application

Grade	Recommended Maximum Storage Temperature, °F	Application Temperatures (°F)	
		Recommended Range	Maximum Allowable
EAP	140	50-130	175

Transport

Regulatory Information	UN Number	Proper Shipping Name	Class	PG	Label
USDOT	Not Regulated				