

Description

CRS-2 is a emulsion that is used primarily for chip seals and is also used as a tack coat. The material is applied through a distributor at a rate of .10 to .35 of a gallon per square yard depending on the surface to be treated 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 - Dispersable

Odor - Mild Petroleum Odor

Specifications for CRS-2

The specification conforms to AASHTO M208 and ASTM D2397.

Property		Test Procedure (AASHTO)	Specification	
			Min	Max
Viscosity, seconds, Saybolt Furol 50°C (122°F)		T59, T72	100	400
Sieve Test %		T59	—	.10
Particle Charge		T59	Positive	
Demulsibility		T59	40	—
Residue Determination	Residue from Distillation, % by weight	T59	65	—
	Oil Distillate, % by volume	T59	—	3
Test on Residue From Distillation	Penetration	T49	90	150
	Ductility, 25°C, (77°F), 5cm/min,cm	T51	40	—

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
CRS-2	160	125-175	175

Transport

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