

Description

CRS-2L/P/M is an emulsion that is used primarily for chip seals. Due to the polymer modification it causes the chip seal to be more durable under higher volume traffic. The material is applied through a distributor at a rate of .20 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

Specifications for CRS-2L/P/M

The specification conforms to AASHTO M316.

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		T79	Positive	
Demulsibility		T59	40	—
Residue Determination	Residue from Evaporation, % by weight	T59	65	—
Test on Residue From Evaporation	Penetration	T49	90	150
	Elastic Recovery, 77°F for 60min*, %	T301	60	—
	Softening Point, (R&B), °C (F°)	T53	43.3°C(110°F)**	

*AASHTO spec for all states except for Virginia where the bath temperature is 50°F and the minimum elongation is 50%.

**The Softening Point is not in M316 and the 110°F covers both North Carolina and Virginia.

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-2L/P/M	160	125-160	175

Transport

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