



**PRODUCT
INFORMATION**

RoadTac™
Polymer-Modified Asphalt Emulsion

COMPOSITION

RoadTac™ is a specially formulated polymer-modified asphalt emulsion. It is designed to provide high flexibility and bonding for Ultra-Thin Hot Mix Asphalt, and Bonded Wearing Course Projects.

PHYSICAL DATA

Specifications are based on standard emulsion properties, such as stability, binder content, viscosity, elastic recovery. The residual properties indicate polymer presens and the base asphalt grade used. The emulsion is designed to break rapidly after spraying to ensure that no water is trapped. The gap-graded nature of the mix allows water to escape, thus promoting breaking of the emulsion.

APPLICATION

The emulsion applicator is part of the paving equipment and applies the RoadTac™ at a temperature between 105 F and 185 F at a rate of 0.13 to 0.30 gal/yd². The application rate should be adjusted according to the porosity of the surface being covered. For more absorbent or textured pavement surfaces, a higher application rate should be used when dealing with badly pocked pavement surfaces. For very smooth pavements, a reduced application rate should be used when dealing with flushed asphalt pavements or smooth Portland cement concrete pavements. The spray bary should be calibrated and able to be adjusted to within +/- 10% of the designed application rate. Coverage of the pavement must be even and uniform, and it is important there are no plugged nozzles on the spray bar.

CAUTIONS

Contains asphaltic materials. Harmful or fatal if swallowed. Do not induce vomiting. Avoid prolonged contact with skin and breathing of vapors. Flush skin with water immediately. Use with adequate ventilation. In case of contact with eyes, flush eyes with water and call physician.
KEEP FROM FREEZING.

EMULSION SPECIFICATIONS

RoadTac™ Polymer Modified Asphalt Emulsion

Tests on Emulsion	Method	Min.	Max
Viscosity, Saybolt Furol @ 122 F, seconds	AASHTO T 59	25	125
Storage Stability Test ¹ , 24 hr, percent	AASHTO T 59		1
Sieve Test ² , percent	AASHTO T 59		0.3
Residue by Distillation ³ , percent	AASHTO T 59	63	
Oil Distillate by Distillation, percent	AASHTO T 59		2
Demulsibility, percent	AASHTO T 59	60	
35 ml, 0.8% dioctyl			
sodium sulfosuccinate			
Tests on Residue From Distillation			
Penetration	AASHTO T 49	90	150
Elastic Recovery, percent	AASHTO T 301	60	

¹After standing undisturbed for 24 hours, the surface shall show no white, milky colored substance, but shall be a smooth homogeneous color throughout.

²The sieve test will be waived if successful application of the material has been achieved in the field.

³AASHTO T 59 shall be modified to include a 400 F+/- 10° F maximum temperature to be held for a period of 15 minutes.