

Road Pro[®] NT

Polymer Modified Asphalt Emulsion



The Number One Choice for Your Economic, Traffic and Load Demands

Crude oil derived liquid asphalt is a complex soup of hydrocarbon compounds, the range of which depends entirely on the source of the crude oil. Liquid Asphalt is what's left after naphtha, gasoline, kerosene, heating oil, waxes and plastic feedstock have been taken out of a barrel of crude oil.

Today there is a huge variance in crude oil used to meet the insatiable demand for petroleum and all of its products. This means that ultimately refiners and asphalt plants have to take what they can get. The result is that the character of liquid asphalts available across the United States has changed dramatically since the 1970's. This is one reason that polymer modification has such an important value.



Superior Surface and Dust Control

Asphalt used in an asphalt emulsion is thermoplastic; it gets softer when heated and firmer when cooled. The asphalt will soften in the heat of summer resulting in ruts and tracks, and will harden in the winter, which leads to cracking. In the heat of sun, volatile compounds evaporate from the asphalt and the surface will oxidize and become brittle.

Polymer modification changes the flow properties of the liquid asphalt so it can stand up to the sun, wind, weather and traffic loadings.

Polymer modification is providing improved overall performance for Midwest customers because it improves dust control performance and surface life while reducing maintenance costs.

Road Pro NT delivers improved results because it:

- Reduces low temperature stiffness which produces less thermal cracking
- Improves fatigue resistance which fights raveling and stripping
- Improves age hardening resistance which increases durability

All of these attributes improve the overall performance of your dust control program.



Road Pro NT improves fatigue resistance which fights raveling and stripping.