

Reclamite®

Asphalt Pavement Maltene Rejuvenator

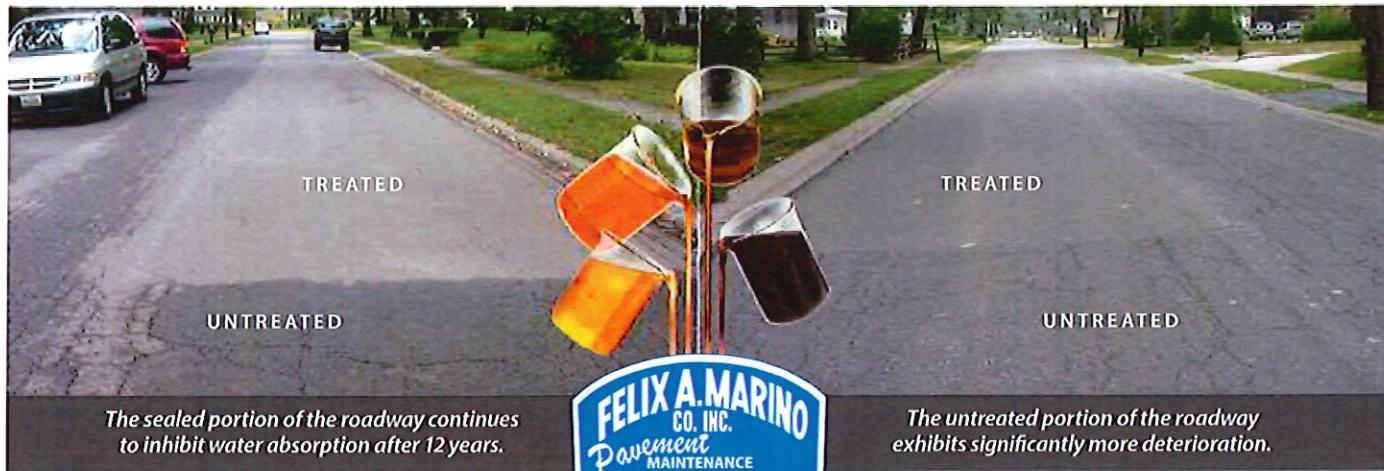


Maltene* Replacement Technology (MRT) Extends the Life of Asphalt Pavements

* Maltenes are a natural component of asphalt.

Reclamite® asphalt pavement rejuvenator replaces the maltene fractions lost through the high-temperature manufacturing process and subsequent in-place weathering.

Pavement after Treatment with Reclamite Asphalt Rejuvenator



Un-retouched photos

Felix A. Marino Co., Inc.
Real Science. Real Results.

The Proof is in the Pavement

By any measure, **Reclamite®** asphalt pavement rejuvenator with Maltene Replacement Technology (MRT) has been achieving genuine roadway sustainability for communities across America for 50 years.



Extends road life by as much as six years at less than 17 cents per square yard per year



Seals out water and UV, inhibiting raveling and oxidation



Requires no re-striping



Minimizes disruption enabling a return to normal traffic



Reverses asphalt stresses related to Heat Island Effect



Reduces carbon footprint by prolonging the intervals between repaving cycles

Real Science. Real Results.



*A section of this roadway was treated with **Reclamite®** in 2003; the balance was not. The photo was taken in September of 2019—16 years later!*

Un-retouched photos

To learn how **Reclamite®** asphalt pavement rejuvenator with MRT can conserve your maintenance budget and our natural resources.

Visit www.famco.us or contact your local FAMCO representative at (978) 532-3838.



Made and Sourced in America

Reclamite® is a registered trademark of Tricor Refining, LLC



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RECLAMITE® Asphalt Pavement Rejuvenator

Reclamite® Benefits:

- Delays the aging process
- Reverses aging
- Stops premature aging - reverses oxidation
- Waterproofs and seals
- Restores the components of asphalt
- Less than $\frac{1}{3}$ to $\frac{1}{2}$ the cost of other wear course seals.

Reclamite® is a maltene-based cationic petroleum emulsion formulated to maximize and maintain high road ratings and extend the service life of your asphalt pavement, while conserving your maintenance budget.

Reclamite® restores maltenes, the components of asphalt lost in the aging process, and improves the durability of the pavement near the surface where deterioration begins. Pavements in good profile, but exhibiting signs of aging—hairline cracking, raveling and pitting—will benefit from a Reclamite® application, as will pavements with segregation issues.

Reclamite® assists in adjusting the rheology of asphalt binder by increasing penetration values and decreasing viscosity and corresponding DSR (Dynamic Shear Rheometer) values.

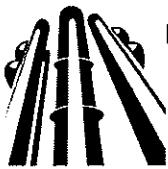
Formulated from a single sourced naphthenic crude base, Reclamite® has a high natural solvency ability, co-mingling and fluxing with the asphalt binder to restore the asphalt/aggregate bond. It is a 100% petroleum rejuvenator base containing 0% asphalt.

Reclamite® has a proven 50-year history of use with national and international distribution. When used in pavement maintenance programs, application is usually on a 4 to 6 year basis. Product cost is generally $\frac{1}{3}$ to $\frac{1}{2}$ of conventional wear course treatments.

Reclamite® is used to extend pavement life at the top of the maintenance curve, pushing that curve as long as possible before more expensive wear course seals such as scrub seal, chip seal, slurry and cape seals are required.

Please contact your Tricor distributor for more information or visit tricorrefining.com to learn more about our products.





TRICOR REFINING, LLC
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RECLAMITE® Asphalt Rejuvenating Agent

Specifications:

Tests	Test Method		Requirements	
	ASTM	AASHTO	Min.	Max.

Tests on Emulsion:

Viscosity @ 25°C, SFS	D-244	T-59	15	40
Residue, % w ⁽¹⁾	D-244 (mod)	T-59 (mod)	60	65
Miscibility Test ⁽²⁾	D-244 (mod)	T-59 (mod)	No Coagulation	
Sieve Test, % w ⁽³⁾	D-244 (Mod)	T-59 (mod)	---	0.1
Particle Charge Test	D-244	T-59	Positive	
Percent Light Transmittance ⁽⁴⁾	GB	GB	---	30
Cement Mixing	D-244			2.0

Tests on Residue from Distillation

Flash Point, COC, °C	D-92	T-48	196	---
Viscosity @ 60°C, cSt	D-445	---	100	200
Asphaltenes, %w	D-2006-70	---		0.75
Maltene Distribution Ratio	D-2006-70	---	0.3	0.6
PC + A ₁ ⁽⁵⁾				
S + A ₂				
PC/S Ratio ⁽⁵⁾	D-2006-70	---	0.5	---
Saturate hydrocarbons, S ⁽⁵⁾	D-2006-70	---	21	28

¹ASTM D-244 Evaporation Test for percent of residue is made by heating 50 gram sample to 149°C (300°F) until foaming ceases, then cool immediately and calculate results.

²Test procedure identical with ASTM D-244 60 except that .02 Normal Calcium Chloride solution shall be used in place of distilled water..

³Test procedure identical with ASTM D-244 60 except that distilled water shall be used in place of two percent sodium oleate solution.

⁴Test procedure is attached.

⁵Chemical composition by ASTM Method D-2006-70:

PC = Polar Compounds, A₁ = First Acidaffins.
A₂ = Second Acidaffins, S = Saturated Hydrocarbons.

Note: For gal/ton conversion use 242 gal/ton.

Note: Data presented are typical. Slight variation may occur from lot to lot.