

# RECLAMITE

Asphalt pavement rejuvenating agent



## WHAT IS RECLAMITE® PRESERVATIVE SEAL?

**R**eclamite® is an emulsion of specific petroleum oils and resins designed to penetrate dry and weathered asphalt pavements. Reclamite® penetrates seeking the asphalt in the pavement in preference to the aggregate. The result is that Reclamite® combines with the asphalt so as to restore its original desirable properties. In some cases the asphalt is improved over the original because of the superior quality of the added components.

Reclamite® stops pavement deterioration where it begins, at the top. The light components or fractions in the asphalt binder referred to as maltenes oxidize from the binder causing asphalt to become dry and brittle. The resulting loss of aggregate, cracking and moisture intrusion furthers pavement deterioration that will eventually without

intervention, lead to total pavement failure.

Pavements exhibiting early signs of aging (hairline cracking, raveling, segregation, pitting, dryness) as well as new asphalt pavement are excellent candidates for Reclamite® Preservative Seal treatment. Reclamite® increases penetration values and reduces viscosity values. Reclamite® seals out moisture, restores the asphaltene/maltene balance. Reclamite® having natural solvency ability because of its naphthenic base, fluxes with the asphalt restoring the aggregate/asphalt bond.

Reclamite® Preservative Seal will preserve an asphalt pavement at one-half to one-third the cost of other conventional treatments.



Residential street application.



Untreated

Treated



Airport application.



Highway application.



PRODUCERS of GOLDEN BEAR PRESERVATION PRODUCTS



**HOW RECLAMITE® PRESERVATIVE SEAL EXTENDS PAVEMENT LIFE.**

Reclamite® has been used successfully for over 40 years. Whether you are dealing with asphalt pavement in the hot, dry southwest United States, humid southern and southeast states or the damp and colder climates experienced in northern climates and Canada, application results are similar; improved durability of the asphalt, (durability being the interdependence between composition and aging), re-balancing the chemistry of the oxidized pavement, ability to delay the aging process and reverse premature aging.

Reclamite® Preservative Seal provides a simple, one step method for sealing and waterproofing the asphalt. It is effective for extending the life of newly constructed pavement.

Reclamite® delays the aging process by replenishing the maltenes and re-constituting the binder. Aged asphalt can be restored to a new and highly durable mix, virtually equal to or better than the original consistency.

Asphalt consists of five basic components: asphaltenes, polar compounds, first acidaffins, second acidaffins and saturated hydrocarbons. The later four are referred to as maltene fractions. These components in asphalt are subject to weathering and oxidation.

Reclamite® is spray applied. The emulsion is diluted 2:1 (product to water) or 1:1 with water. Application rates are measured in square yards or meters and vary according to pavement absorption and application needs. Normal treatment can provide 5-7 years additional service life. A second application can be considered at that time.

Appearance of fine cracks  
Asphalt has become brittle



Fine aggregate material loss

**Components of Asphalt**



Reclamite® is an emulsion manufactured from a naphthenic crude stock. Naphthenic base is wax free, has a natural low pour point and has excellent natural solvency ability allowing it to penetrate and absorb.

Your Reclamite Representative: