

Liquid Asphalt Surface Treatment: Chip Seals

Peckham Industries, Inc.'s LAST product should be the FIRST solution you think of when it comes to preserving your bituminous pavements. Liquid asphalt surface treatment, better known as chip seal technology, is the most economical solution for extending the life of your road surfaces. When hot mix overlays are not in your budget, chip seals can perform the same function for a fraction of the cost. Depending upon your needs, we can customize a solution by applying the chip seal with various grades of neat or polymer modified asphalt emulsion produced at our emulsion mill plants.



Our Process

Our chip seal process consists of project identification, product selection and application. The best project candidates are paved roads having good geometry and structural integrity. Chip seals are very thin lift pavements that are unable to correct geometric defects or increase pavement strength, so it is important the roads selected meet these requirements. Once the roadways are identified, our experts will work with you to choose the ideal asphalt emulsion and aggregate to be used for the chip seal. Factors to be considered when selecting both elements include existing pavement condition, traffic count and the type of traffic, as well as compatibility between the emulsion and available cover aggregates. In some cases, existing and future friction requirements should also be considered. A recommendation for polymer modified emulsions is always an option that adds value to the final product for very little upfront cost. Application can be performed as a turnkey project by our road crews, or we can provide the asphalt emulsion only and you can participate in the construction process to whatever degree you desire. You may want to provide cover aggregate trucking, cover aggregate spreading, rolling or traffic control; they are all options that you can consider. Your participation in the project reduces the cost and promotes pride in the work your construction crew completes.

Properly constructed chip seals provide a durable, smooth, high friction riding surface that serves to protect and preserve the pavement below. The chip seal fills small cracks and stops underlying pavement raveling and oxidation. Pavement preservation is critical to extending strained municipal budgets and preserving your greatest municipal-owned asset — your roads. The cost of a chip seal compared to conventional hot mix overlay or Nova Chip can be as much as 60% less per square yard. Application rates of up to 5 miles per day are achievable, disrupting traffic as little as possible.

The Peckham Way

We have extensive experience producing emulsions and applying chip seals to pavement surfaces. Our equipment provides the latest technologies for applying chip seals and our highly experienced crews have hundreds of years of combined experience to ensure your project meets your standards and preserves your most important and valuable asset — your roads. To learn more about our company and our chip seal technology please contact your local sales representative or visit our website, www.peckham.com. We can help you to select the LAST option as your first resource in preserving your roads.