



AMI SEAL™

Chip Seal

Emulsion Treatment

This treatment provides a new skid-resistant wearing surface, stops raveling, seals minor cracks and slows deterioration of the existing surface by mitigating water intrusion.



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Chip Seal Treatment

Chip seal, done with quality product and proper application, can provide reliable, cost effective performance and add years of life to a road. It is an environmentally-friendly pavement preservation technique suitable for a variety of road types including low and high volume traffic.

Benefits

- Protects the underlying pavement structure from moisture damage
- Seals small cracks and imperfections; addresses raveling
- Extends the life cycle of a pavement by 5-7 years
- Restores friction to roadway surface
- Reduces energy use and greenhouse gasses by 50%, making it environmentally-friendly
- Allows slow-moving traffic to return in one hour



The Process

The multi-stage process begins after the imperfections in the roadway surface have been corrected and the surface has been swept and prepared. An asphalt binder (hot, emulsion or polymer modified) is sprayed onto an existing pavement surface immediately followed by an aggregate chip spreader which applies an even, uniform layer of single size cover aggregate over the binder. The cover aggregate is then physically rolled into the binder to achieve bonding and embedment. The surface is then swept to remove excess aggregate and loose material from the roadway.

Frequently Asked Questions

Under what conditions are chip seals typically applied to pavements?

Chip seals are designed to be constructed on pavements in relatively good condition with little to no structural deficiency. Application is typically performed during the summer months to ensure complete aggregate bonding and emulsion curing.

What options do I have to maximize the durability and effectiveness of a chip seal treatment?

A chip seal process can be repeated with a double or triple seal to create multiple layers. This involves repeating the process of applying asphalt emulsion and aggregate. Each additional layer enhances the pavement's resistance to wear, improves waterproofing, and increases skid resistance, making it especially beneficial for roads with higher traffic volumes or more demanding environmental conditions.

MORE AMI PRODUCTS



Could chip seal be a fit for your next road project? Our experts are available to discuss pavement considerations, binder options and more.

Reach out to your AMI sales representative to schedule a road evaluation or email marketing@asphalt-materials.com
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