



Chip Seals, also known as Stone Seals, combine an asphalt layer and cover aggregate to provide a skid resistant wearing surface. The asphalt renews aging surfaces, fills minor cracks, and seals and waterproofs the pavement. It binds the aggregate, which protects the asphalt and provides durable friction.

For Chip Seals, we prefer high quality, clean, hard, cubical and uniformly-sized aggregates. The asphalt is applied as a water-based emulsion, which bonds to the underlying pavement and the cover aggregate as it cures. Polymer is added to the emulsion before application for improved durability. Generally, these seals last from five to seven years, depending upon the types of materials, traffic and, most importantly, the condition of the pavement before construction.



Chip Seal Benefits

- ✓ Waterproofs and seals small cracks and imperfections
- ✓ Enriches aged and oxidized asphalt pavements
- ✓ Improves skid resistance and surface texture
- ✓ Protects underlying pavement from traffic wear
- ✓ Protects the environment and worker safety with water-based emulsion
- ✓ Stretches maintenance dollars as one of the lowest cost treatments available
- ✓ Effective preventive maintenance preserves the value of your pavements



Chip Seal Uses

Chip seals are suitable for all types of roads from rural to higher traffic volume roadways. Multi-layered Chip seals may also be used to greatly improve resistance to reflective cracking on existing roads, or as a first asphalted surface on low-traffic, well-graded gravel roads. Chip seals



provide increased durability and are typically applied to roads with traffic volumes up to 2,500 AADT.

Roads to be treated should be in sound structural condition, have a good overall profile and alignment, and have minor asphalt aging and cracking. If needed, crack sealing and/or a shim leveling course may be applied to address larger cracks or surface deformation. Prior to the application of the chip seal, the existing surface should be swept of any stones, sand, mud or other loose debris.

All States Materials Group wants to make sure your road surfacing job is a success. We can help with determining the right treatment at the right time for your pavement. For your overall road program, we can help you evaluate single versus multiple surface treatments as well as other alternatives for cost-effective pavement preservation. Contact our professionals for more information about how All States Materials Group can help you preserve your pavements.



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800-343-9620