



NovaChip is a high performance surface treatment which uses an award-winning technology that seals the existing road surface and provides a new, skid-resistant, smooth & ultrathin (5/8" to 3/4") HMA wearing course in one simultaneous operation. The process consists of polymer modified asphalt emulsion spray applied (at a rate of approximately 0.2 gallons per yd<sup>2</sup>) immediately ahead of an overlay of gap-graded hot mix asphalt (HMA).



The thick polymer asphalt membrane seals and protects the surface and provides superior bonding of the ultrathin mix to the pavement. The high quality gap-graded HMA is designed for a durable, skid resistant surface. The ultrathin mat optimizes the use of high quality aggregates and improves smoothness by correcting minor deficiencies in the existing pavement layer while maintaining overhead clearances and curb reveal. The one-pass construction process moves quickly, allowing for rapid construction and traffic return, significantly lowering user costs. The durable NovaChip surface can last ten years or longer.

### NovaChip® Benefits

- ✓ Seals and waterproofs existing surface
- ✓ Resists raveling and delamination with superior bonding of the open, ultrathin overlay, over asphalt or concrete
- ✓ Restores durable skid resistance while conserving high quality aggregates
- ✓ A proven durable wearing coarse in demanding high traffic/high speed applications
- ✓ Reduces user delays with quick, one-pass construction and no tracking
- ✓ Immediate traffic return and convenient night construction
- ✓ Retains curb reveal and clearances under bridges and overpasses
- ✓ Reduces tire noise, especially on concrete pavements
- ✓ Reduces tire spray, preventing hydroplaning and improving visibility in wet weather
- ✓ Long lasting, effective preventive maintenance treatment that extends and preserves the value of your pavement, yielding lower life cycle costs

### NovaChip® Uses

NovaChip provides a durable, open-graded, drainable wearing surface on existing pavements showing signs of surface oxidation, minor rutting, signs of stripping that could lead to raveling if untreated and to extend

the life of your pavements. It is a high performance surface suitable for all types of asphalt and concrete roads, and has given outstanding performance for almost twenty years as preventive maintenance on major urban highways as well as residential streets. It is ideal for places where construction delays, overpass clearance, curb reveal, wet weather visibility, tire noise and skid resistance are concerns. The polymer modified hot mix overlay system should be placed on structurally sound pavements with uniform crown and good drainage. There should be no sign of sub-base movements, and only low severity surface distresses. Any large cracks should be filled prior to construction. The surface should be swept of any stones, sand or other loose debris. It is not designed to bridge weak spots or to cover major underlying pavement deficiencies. It can also be used as the final wearing course on reconstruction, rehabilitation, or resurfacing projects. NovaChip is the ideal treatment for preserving the value of your aging and new pavements.

All States Materials Groups wants to make sure your paving job is a success. We can help with determining the right treatment at the right time for your pavement, and where NovaChip will be the best fit in your overall road system. Contact our professionals for more information about how NovaChip can preserve the quality and value of your pavements.



**All States Asphalt, Inc.**  
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**NovaChip®**

