

AMERICAN GILSONITE COMPANY

Building high-strength, high-performance roads that stand the test of time

Gilsonite® is versatile, cost-effective and adds a new dimension of strength to asphalt.

Gilsonite® uintaite is a naturally occurring hydrocarbon resin that adds tremendous strength, durability and longevity to asphalt roads. It is a cost-effective additive with unmatched performance.

No other additive can match all the benefits of Gilsonite® uintaite:

- > High strength and fatigue resistance
- > Superior deformation resistance
- > Reduced pavement thickness
- > Reduced temperature susceptibility
- > Increased resistance to water stripping
- > Safe and environmentally responsible

Gilsonite® is proven to perform

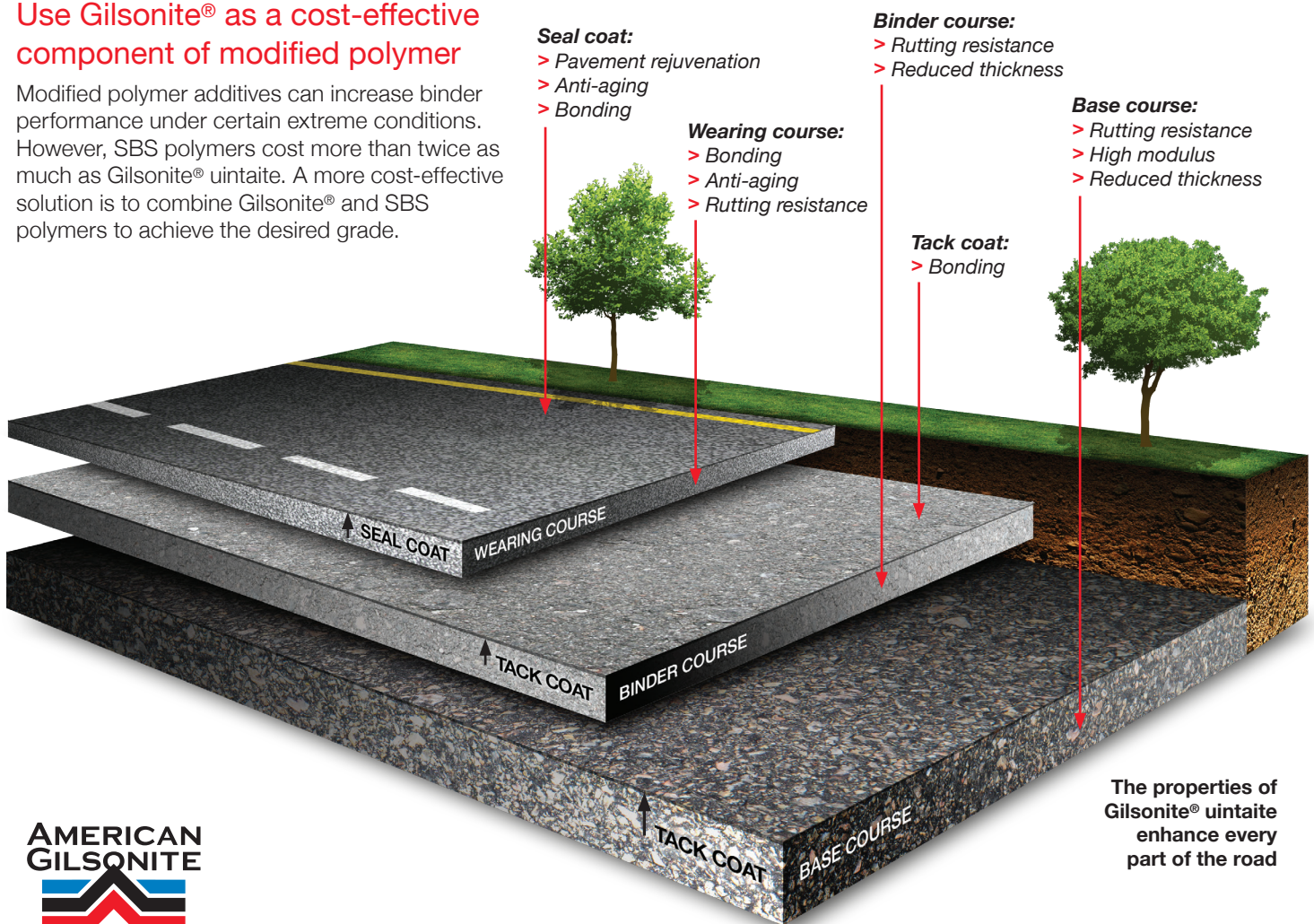
Gilsonite® uintaite's unique properties make a road that is less susceptible to high-temperature and deformation performance issues. Gilsonite® can be added directly at the hot mix plant without additional equipment.

Use Gilsonite® as a cost-effective component of modified polymer

Modified polymer additives can increase binder performance under certain extreme conditions. However, SBS polymers cost more than twice as much as Gilsonite® uintaite. A more cost-effective solution is to combine Gilsonite® and SBS polymers to achieve the desired grade.

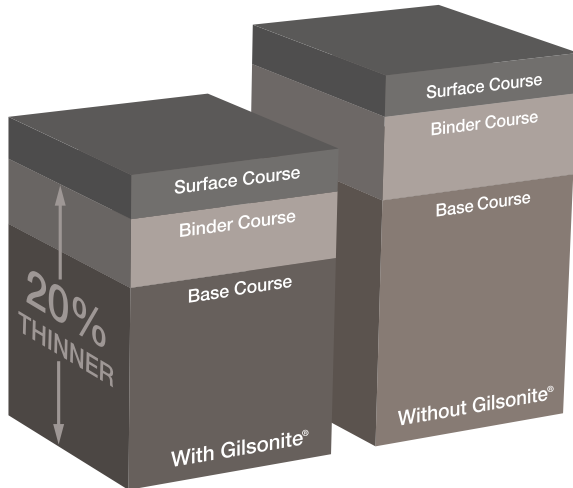
Gilsonite® makes roads stronger to last longer

Compared to a typical road that might last 10 years, Gilsonite® uintaite produces a stronger, better-bonded asphalt that can last 25 years.



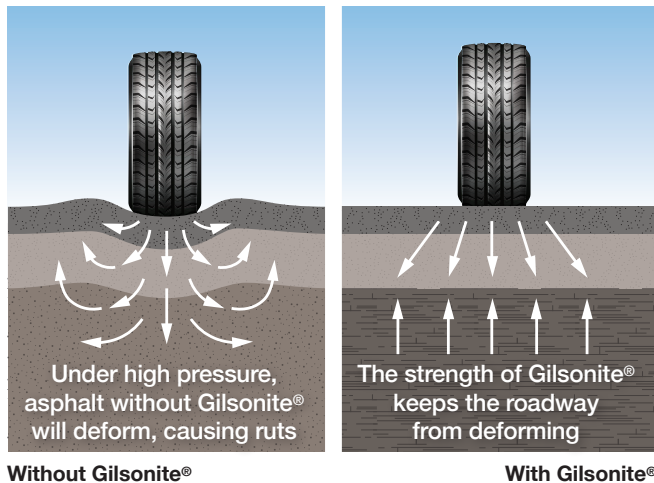
Gilsonite® reduces material and saves money

The high modulus provided by Gilsonite® uintaite allows the base and binder courses to be up to 20% thinner and still provide the same level of performance. Using less material results in reduced cost.



Asphalt with Gilsonite® resists rutting

Gilsonite® uintaite increases the viscosity of asphalt so roadways resist deformation and fatigue, even under temperature extremes – unlike other modifications or high modulus asphalts based on RAP.



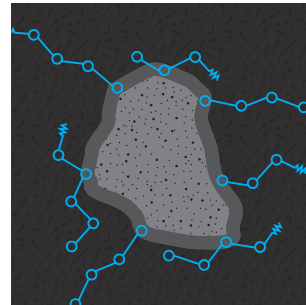
Without Gilsonite®

With Gilsonite®

Gilsonite® is superior for recycling asphalt

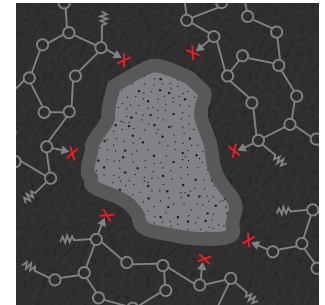
Only Gilsonite®-modified binder bonds with and stabilizes recycled binder, making recycled asphalt as strong and durable as new. By contrast, polymer-modified binders form large molecules that cross-link into a matrix that recycled binder cannot bond with, leaving pavement vulnerable to breakdown.

Recycled with Gilsonite®



Gilsonite®-modified binder diffuses into the RAP binder, modifying it as well.

Recycled without Gilsonite®



Binder modified with cross-linked polymer cannot diffuse, leaving the RAP binder unmodified.

In addition, the unique properties of Gilsonite® uintaite allow more recycled material to be added to the hot mix, reducing the amount of new aggregate needed.

Gilsonite® outperforms other bitumen modifiers

- > Unique source with high purity deposits
- > Extracted with little contamination
- > Ideal softening point for bitumen modification
- > Natural antioxidation properties resist age-hardening and degradation

Building stronger roads for more than 100 years

Gilsonite® is the trademarked name for uintaite, a natural asphalt discovered in the Uinta Basin of northeastern Utah. Since the 1860s, American Gilsonite Company has been producing Gilsonite® uintaite to strengthen asphalt roads.

Gilsonite® is readily available in meltable bags, bulk bags and bulk trucks.

Gilsonite® is naturally better®