



GILSONITE THE MILLION-YEAR-OLD SOLUTION!



Early prospectors found Gilsonite in the prehistoric Uintah Lake



Black Dragon Gilsonite mine, Uintah County, Utah. 1913



Uintah Railway hauled 100+ lb. Gilsonite sacks on open flat cars

Gilsonite or North American Asphaltum was discovered in the early 1860s in the Uintah Basin in northeastern Utah and is a unique natural hydrocarbon high in asphaltenes (50-65%) and nitrogen compounds (2.5-3.5%). Unique, because it's natural chemical composition results in its ability to bond to pavement. *Gilsonite* is the base of GSB-88®, which after subjected to a rigorous internationally accepted Life Cycle Assessment (LCA) resulting in high scores in every category, *GSB-88® was awarded an EPD (Environmental Product Declaration)*. If utilized globally, GSB-88® could save 1.2 million metric tons of CO2 emissions per year and billions of dollars in savings!

Benefits:

- Unrefined, 100% natural
- Creates sustainable pavement
- Nature's Better Binder / Glue
- Oxidizes / weathers slower
- Unrefined - Absolutely!
- Environmentally sound

Uses:

- Increase pavement service life
- Reduce rutting and shoving
- Increase overall durability—including increased resistance to degradation from water penetration, oxidation, and uv radiation.
- Increase load carrying ability
- Reduce reconstruction costs

GSB-88® is ideal for sealing cold joints, shoulder, locking down chip seals, oxidized and moderately raveled pavement.

Gilsonite has been proven to be more effective than any other asphaltene-rich product.

Since *Gilsonite* is a granular solid it is fully compatible with bitumen. It can be melted into hot bitumen, added during the hot-mix manufacturing process, or blended into a preservation treatment. In either case, *Gilsonite* dissolves easily in bitumen and achieves a uniform, easily workable product.

Appearance:

- Naturally Black in color
- Resistant to raveling / peeling
- Attractive "like new" look

Gilsonite soaks in to become part of the surface of asphalt, sealing and binding aggregates tightly together.



On structurally sound pavement GSB-88® treatments can halt, and reverse the effects of aging.

The use of Gilsonite lowers viscosity by over 30%, increases ductility by 30%, and increases Marshall Stability by almost 40% (strength of binder) after just 5 years.



Call Us! (800) 747-8567

www.geeasphalt.com

Making Good Pavement Last!