

# Frequently Asked Questions on EnduraSeal AB and EnduraSeal GS

## 1. Why aren't you manufacturing EnduraSeal Heavy coal tar sealer?

There are two reasons: First, it's the goal of Missouri Petroleum to manufacture products that are safe to use and of the highest quality. There is a growing consensus in the scientific community that coal tar sealers do not meet these criteria. We've been evaluating the sealer market for several years and it appears there is a shift away from coal tar based sealers. Secondly, the reason is economics. Our supplier has decided to exit the business of supplying coal tar for use in driveway sealers. Though we can still purchase raw coal tar from another supplier, cost is a major factor. Given both the safety and economic factors, Missouri Petroleum chose to develop safe, high quality asphalt based sealers.

## 2. What sealers will Missouri Petroleum manufacture?

We will offer two different asphalt based sealers. We will continue to manufacture our EnduraSeal AB sealer. Additionally, we will offer EnduraSeal GS, which is an asphalt based Gilsonite sealer.

## 3. What is Gilsonite?

Gilsonite is a non-toxic, non-carcinogenic, non-flammable, naturally occurring, 99.85% pure mineral asphalt ore. Gilsonite has a rich dark color and because it is asphalt based, has superior bonding capabilities to both asphalt and coal tar treated surfaces.

## 4. Is it Gilsonite safe?

Yes, Gilsonite is safe to use in a driveway sealer. It is non-toxic, non-mutagenic and non-carcinogenic. EnduraSeal GS complies with current VOC (volatile organic compounds) regulations nationwide making EnduraSeal GS the environmental friendly choice. It has been documented that long term exposure to Gilsonite does not contribute to dermatitis, lung disease or any other disease. Since EnduraSeal GS is an asphalt based emulsion, it is non-flammable.

## 5. What is your asphalt based sealer EnduraSeal AB?

EnduraSeal AB is manufactured using an asphalt emulsion formulated for use on commercial and private bituminous pavement. The base asphalt used in EnduraSeal AB is PG64-22, the same material used in the manufacture of hot mix asphalt. We further modify our asphalt based sealer with an additive to give it a darker and richer luster.

## 6. Is it safe?

Yes, because it is manufactured using asphalt emulsion and not coal tar, it is as safe as hot mix asphalt.

**7. How do apply the Enduraseal AB and Enduraseal GS sealer?**

Both Enduraseal AB and Enduraseal GS are applied in a manner similar to most sealers on the market. They may be sprayed, broomed or applied using a squeegee. Sand may be added, when required, using your present methods. EnduraSeal AB and EnduraSeal GS are both emulsified products and clean up of your equipment and tools may be done with water. Copies of our EnduraSeal “General Guidelines” for applying our products may be obtained on our web site [www.missouripetroleum.com](http://www.missouripetroleum.com) or at our Bi-State Emulsions Production Facility.

**8. Are there different handling and storage requirements for Enduraseal AB and Enduraseal GS than what we are accustomed to?**

Both EnduraSeal AB and EnduraSeal GS can be stored up to 30 days provided that it is properly agitated. The asphalt based sealer also need be agitated every few days. Please refer to our EnduraSeal “General Guidelines” for more specific information.

**9. Are you able to use additives and hardeners with your sealers?**

Definitely, Please refer to the manufacture’s recommended guidelines and our EnduraSeal “General Guidelines” for proper blending rates.

**10. What are the wear characteristics of EnduraSeal AB and EnduraSeal GS visavis coal tar sealers?**

Wear is a function of many variables, i.e., condition of the existing pavement surface preparation, proper application of the sealer, and traffic to name a few. We are confident that Enduraseal AB and Enduraseal GS will provide wear characteristics that will satisfy your customers.