



# TOP SEAL ASPHALT EMULSION SEALER

**TOP SEAL**  
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Manufactured by:  
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## 1. PRODUCT DESCRIPTION

Top Seal is a heavy duty asphalt emulsion specifically designed as an all-weather protection for asphaltic surfaces. The rich, black color of Top Seal asphalt emulsion improves the appearance of the asphalt while prolonging its useful life.

### Packaging:

Bulk shipments made in tank trucks. Also available in 55 gal. steel drums.

### Color:

In the liquid state, Top Seal is a reddish brown emulsion. When dry, Top Seal leaves a rich black coating.

### Basic Uses:

Top Seal preserves the asphalt by reducing oxidation from weather and creating a protective cover that resists damage from water and petrochemicals. Top Seal Asphalt Emulsion was formulated and designed to protect asphalt in all weather conditions. It is durable, non-burning, fast drying and environmentally friendly.

### Composition:

Top Seal is a concentrated mineral colloid stabilized emulsion, fortified with a latex rubber of high molecular weight polymer and petroleum resins. This binder base is emulsified in our high temperature, high shear, manufacturing process. This and other quality raw materials creates a homogeneous coating capable of high sand loads, providing the toughest and longest lasting, skid resistant surface on the market today.

### Limitations:

In the liquid state, Top Seal must be protected from freezing.

## 2. INSTALLATION

### Preparatory Work:

The asphalt surface must be structurally sound, surface cured and free from all loose or foreign matter prior to the application of Top Seal.

### Application:

Top Seal asphalt emulsion may be applied by hand, spray or squeegee to a clean and structurally-sound, asphaltic surface. A normal 2-coat application rate on a sound asphaltic surface is 50 square feet per gallon of mixed material. Coverage rate will depend on the application method in addition to the asphalt condition.

Asphalt temperature should be at least 50 degrees and rising. There should be neither significant temperature decrease nor moisture forecasted for 48 hours. If the weather conditions are less than optimal, premature wear may result. Normal curing time is 24 hours for the 2 coat application in average temperature and humidity conditions.

### Mix Design:

Top Seal is a highly concentrated material intended to be mixed with water and mineral aggregate to form a ready to use pavement sealer.

### Do not over dilute.

Per 100 gallons of Top Seal

Water	Sand	Yield
20-30 gal.	300-500 lbs.	133-152 gal.

All sand used should be clean, dry, pure silica sand, free of contaminants. Medium fine sand with an A.F.S. rating of 50 to 70 gives best results. There should be no more than 2% retained on 30 mesh or coarser, no more than 10% retained on a 140 mesh and no more than 0.3% retained on 200 mesh.

### Precautions:

Do not apply Top Seal over chip seals, or sealers which contain gilsonite. Top Seal is not recommended for use on portland cement concrete.

Keep out of reach of children. Container should be closed when not in use. Contains petroleum distillates. Avoid breathing vapor or prolonged contact with skin or eyes. Flush immediately with water.

New asphalt should be allowed to cure for a minimum of 30 days prior to application and must not exhibit ribboning, crawling, nor show oil rings when 1 gal. of clean water is poured onto the surface. Protect wet Top Seal at all times from freezing and rain.

## 3. TECHNICAL DATA

### Application Standards:

Top Seal meets the composition and performance standards listed below when tested according to the following ASTM methods:

D140: Sampling of Bitumous Materials  
D244: Standard Test Methods for Emulsified Asphalts  
D529: Testing of Bitumous Materials  
D2939: Standard Test Methods for Emulsified Bitumens used as Protective Coatings

**Drying Time:**

When testing according to ASTM D2939, "set to touch" in 1 hour, exhibit "final set" in less than 8 hours.

**Non-Flammability:**

The cured coating shows no tendency to flash or ignite.

**Adhesion & Resistance to Water:**

The cured coating exhibits no penetration, blistering, loss of adhesion, nor tendency to re-emulsify after immersion for 24 hours.

**Physical Composition:**

Top Seal meets the following requirements when tested according to ASTM D2939:

Requirements	Max	Min
Non-Volatiles %	-	47
Water %	53	-
Ash of Non-Volatiles %	40	30
Specific Gravity	-	1.1

**4. TECHNICAL SERVICES**

Material safety data sheets, products and application recommendations, as well as assistance with special situations with field service are available upon request.

**5. WARRANTY**

The above specifications on product usage are believed to be true and accurate. Top Seal, LLC guarantees that all materials manufactured comply with quality standards as described in the product data sheets. Because the application, handling, weather, workmanship and equipment are beyond the control of this manufacturer, only the quality of the product as shipped is guaranteed.

*With Top Seal, your company can expect a consistent, high-quality product, along with impeccable service. Your orders will be on schedule while exceeding your expectations.*

**OTHER TOP SEAL PRODUCTS****Top Seal - Pourable Crack Sealer**

- Durable Asphalt
- Polymer Based Sealant
- Economical
- Easy to Apply

**Top Seal - Seal-Strong**

- Latex Fortifier
- Strengthens Sealer Film
- Improves Oil and Fuel Resistance

**Top Seal - Oil-Seal**

- Seals Oil Spots For Proper Adhesion
- Rapid Drying
- Apply by Spray or Brush



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