

## Coal Tar Pavement Sealer

### 1. PRODUCT NAME

**Tarconite®**

### 2. MANUFACTURER

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- **Prevents Oxidation:** Tarconite shields against the drying action of the sun. Reduces raveling, cracking and deterioration.
- **Jet Black Color:** Tarconite restores that clean, new look.
- **Longer Lasting:** High solids enhance suspension of mineral aggregate to provide a smooth, even-wearing surface.
- **Highly Resistant:** Resists gasoline, oils, acids and jet fuel.
- **Fortified Formula:** Tarconite is modified with ingredients that give it superior water resistance and significantly improve its adhesion to the pavement.

### 3. PRODUCT DESCRIPTION

Tarconite is a concentrated refined coal tar emulsion specifically formulated as a weather protective, gas and oil resistant coating over the asphalt pavements of airports, parking lots and driveways.

#### Packaging:

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

#### Color:

As shipped, Tarconite is a dark brown emulsion. When dry, Tarconite is black.

#### Basic Uses:

Tarconite extends the service life and reduces maintenance costs of off-street asphalt pavements. Tarconite protects such pavements from the destructive effects of water, sunlight, oxidation, gasoline, motor oil, and many other chemicals and solvents. In addition, Tarconite, when mixed and applied according to manufacturer's recommendations, provides a distinctive new-looking surface that is skid resistant, long-lasting and easy to clean.

#### Composition:

Tarconite is a concentrated, high solids, mineral colloid stabilized, refined coal tar emulsion. The performance and bonding of Tarconite to the pavement is greatly enhanced by surfactant ingredients.

#### Limitations:

In the liquid state, Tarconite must be protected from freezing. Do not store in direct sunlight or where temperature exceeds 120°F.

### 4. 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 Tarconite.

#### Methods:

Tarconite can be applied by spray, rubber-bladed squeegee, brush, or mechanical equipment specifically designed for this purpose. Due to the heavy bodied nature of the slurry-mixed Tarconite, application by means of specialized equipment is recommended. This equipment can be of two types, high volume positive displacement airless spray or mechanical squeegee. Both types must be capable of keeping material thoroughly mixed and homogenous throughout the application process. All equipment used must be capable of supplying a sufficient quantity of material for uniform application over the entire width of the application mechanism to provide a uniformly coated surface.

#### Mix Design:

Tarconite is a highly concentrated material intended to be mixed with

water and mineral aggregate to form a ready to use pavement sealer.

*Per 100 gallons of Tarconite*

Water	Sand	Yield
25-35 gal.	300-500 lbs.	138-157 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 140 mesh and no more than 0.3% retained on 200 mesh.

#### Application:

For use over sound asphalt pavement, the following application procedures are recommended for best results:

*Application Rate per Coat*

	Gal/SY	Gal/SF
Concentrate	.09	.01
Mix	.14 - .17	.015 - .019

One gallon of concentrate will cover 100 square feet. Multiply square yards of surface x .09 to determine gallons of concentrate per coat.

Coverage rates can vary with the application method and the age, texture, and porosity of the pavement to be sealed.

For low to moderate traffic areas, we recommend applying two full sand slurry coats. For high traffic areas, a third coat is advised. For highly oxidized surfaces, a primer, Polyprime (Product Data Sheet 155) is recommended. Each coat must be dry before additional applications. On a typical parking lot, a combination of application systems could be used. For example, two coats for the parking stalls and a third for the drive lanes where most of the wear occurs.

Application must be made when ambient temperatures and pavement temperatures are above 50°F. Good drying conditions above 50°F are required during the subsequent 8 hours and no temperatures below 50°F should be anticipated for 48 hours. Night time application is not recommended. It is recommended that the area over which the application is made be opened to use only after trial shows it to be dried and sufficiently cured to accept regular traffic. Lower temperatures, high humidity, clouds or shade, and lack of air movement retard cure.

#### **Precautions:**

Do not apply Tarconite over chip seals, or sealers which contain gilsonite. Tarconite is not recommended for use on portland cement concrete or for indoor use. 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 Tarconite at all times from freezing and rain.

Consult specific Neyra material safety data sheet before use.

## 5. MAINTENANCE

As a rule, a clean, well-marked parking lot is safer and will last longer. Occasional flushing with water or the use of a contract cleaning service will help to retain an attractive appearance.

## 6. TECHNICAL DATA

### **Applicable Standards:**

Tarconite meets the composition and performance standards of ASTM D5727 "Emulsified Refined Coal Tar," when tested according to the following ASTM methods:

D140: *Sampling of Bituminous Materials*  
 D244: *Standard Test Methods for Emulsified Asphalts*  
 D490: *Standard Specification for Road Tar*  
 D529: *Testing of Bituminous Materials*  
 D2939: *Standard Test Methods for Emulsified Bitumens used as Protective Coatings*

### **Additional Standards:**

Tarconite combined with Poly+Plus (Product Data Sheet 123) also meets the requirement of FAA Specification P627 for Rubberized Coal-Tar Pitch Emulsion Sealers.

### **Drying Time:**

When tested 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.

### **Resistance to Kerosene:**

The cured coating exhibits no penetration or loss of adhesion after 24 hour immersion.

### **Adhesion & Resistance to Water:**

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

### **Environmental Considerations:**

Tarconite is considered non-hazardous when tested according to the EPA's TCLP (Toxicity Characteristic Leaching Procedure). Tarconite is a water based material containing less than 50 g/L (0.42 lbs/gal.) VOC content.

## 7. TECHNICAL SERVICES

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

available through Neyra Customer Service.

## 8. WARRANTY

The above specifications on product usage are believed to be true and accurate. Neyra Industries, Inc. 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 products as shipped is guaranteed. In no case will the liability of Neyra Industries, Inc. exceed the purchase price of the shipped materials.

## 9. ADDITIONAL INFORMATION

Neyra Industries, Inc. manufactures a full line of asphalt pavement maintenance and recreational surface products as well as application equipment sold and distributed nationally at our plants and through distributors and contractors. To find the supplier most convenient to you, please contact us.

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