



# Jennite

## Coal Tar Pavement Sealer

### 1. PRODUCT NAME

**Jennite®**

### 2. MANUFACTURER

**Neyra Industries, Inc.**  
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- **Ultimate Protection:** Jennite's high solids, polymer modified formula provides increased resistance to oil, gasoline and chemicals.
- **Maximum Durability:** No dilution required means you can expect up to three times the wear of other pavement coatings.
- **Warranty Protection:** Jennite is applied only by licensed contractors who can provide a written Dual Protection Warranty.
- **Rich, Black "Brand New" Look:** Jennite's tough, tight, waterproof seal is the longest lasting pavement coating.
- **Safer & Easier to Clean:** The Jennite System creates a seamless, skid-resistant, even-textured surface.

### 3. PRODUCT DESCRIPTION

Jennite is a premium quality pavement coating composed of refined coal tar that is fortified with rubber prior to emulsification. The resulting high solids product can be applied with no dilution. In addition, Jennite contains a unique surfactant formulation which allows greater compatibility with asphalt surfaces.

#### Packaging:

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

#### Color:

Jennite is a dark brown emulsion. When dry, Jennite is coal black.

#### Basic Uses:

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

#### Composition:

Jennite is a high solids, mineral colloid stabilized, refined coal tar emulsion. It is fortified with fuel resistant, high molecular weight, unvulcanized rubber. This fuel resistant rubber is hot blended into the refined coal tar base

prior to emulsification. A special ceramic clay slurry is used to produce a high solids coating that does not require dilution. Jennite is also reinforced with geotextile fibers. The performance and bonding of Jennite to the pavement is greatly enhanced by a multi-component surfactant formulation.

#### Limitations:

In the liquid state, Jennite 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 Jennite.

#### Methods:

Jennite 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 Jennite, 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 homogeneous throughout the application process. All equipment used must be ca-

pable 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:

Jennite is designed to be mixed with mineral aggregate to create a ready to use pavement coating. Minimal dilution with water may be required for workability.

*Per 100 gallons of Jennite*

| Water     | Sand         | Yield        |
|-----------|--------------|--------------|
| 0-15 gal. | 500-600 lbs. | 123-142 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 | .10       | .011        |
| Mix         | .12 - .15 | .013 - .016 |
| Primer      | .015      | .0016       |



Product Data 100-04

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One gallon of concentrate will cover 90 square feet. Multiply square yards of surface x 0.1 to determine gallons of concentrate per coat.

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

For low to moderate traffic areas, follow Application Specification NJ-S2 and apply the recommended primer, Polyprime (Product Data Sheet 155) and two full sand slurry coats of Jennite.

For high traffic areas, follow Application Specification NJ-S3 and apply one coat of Polyprime and three full sand slurry coats of Jennite.

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 Jennite over chip seals, or sealers which contain gilsonite. Jennite 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 rib-boning, crawling, nor show oil rings when 1 gal. of clean water is poured onto the surface.

Protect wet Jennite pavement sealer

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:

Jennite 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 |

#### Physical Composition:

Jennite meets the following requirements when tested according to ASTM D2939:

| Requirements           | Max | Min  |
|------------------------|-----|------|
| Non-Volatiles %        | 54  | 52   |
| Water %                | 48  | 44   |
| Ash of Non-Volatiles % | 38  | 34   |
| Specific Gravity       | -   | 1.23 |

#### Drying Time:

When tested according to ASTM 2939, "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 immer-

sion for 24 hours.

#### Environmental Considerations:

Jennite is considered non-hazardous when tested according to the EPA's TCLP (Toxicity Characteristic Leaching Procedure). Jennite 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

Neyra Industries, Inc. and our network of licensed Jennite contractors offer a Dual Protection Warranty. If Jennite is applied according to NJ-S2, a two-year written dual warranty is available. If Jennite is applied according to NJ-S3 with primer, a three-year written dual warranty is available. Call the Jennite Buyer Protection & Information Center at 800-543-7077.

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 call us at 800-543-7077.

