

### 1. PRODUCT NAME

**Road Renew**

### 2. MANUFACTURER

Neyra Industries, Inc.  
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- **Advanced Formula:** Road Renew is extremely durable due to its polymer fortified resin and fiber reinforced, high solids formula.
- **Prevents Oxidation:** Road Renew protects against the drying action of the sun - reducing raveling, cracking and deterioration.
- **Lustrous Black Finish:** Road Renew restores that clean, new look.
- **Compatibility:** Road Renew is made from an asphalt resin binder which is more compatible with new asphalt pavement. Does not promote hairline cracking.
- **No Burn Formula:** Contains no coal tar.
- **Environmentally Safe:** Road Renew contains no harsh chemicals, has no odor and low VOCs and PAHs.

### 3. PRODUCT DESCRIPTION

Road Renew is a concentrated, polymer modified asphalt emulsion sealer specifically formulated as a weather protective, water resistant coating over asphalt pavements.

#### Packaging:

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

#### Color:

Road Renew is a chocolate brown emulsion. After complete cure, Road Renew is a dark satin black.

#### Basic Uses:

Road Renew extends the service life and reduces maintenance costs of asphalt pavements. Road Renew protects such pavements from the destructive effects of water, sunlight and oxidation. Road Renew, when mixed and applied according to manufacturers recommendations, provides a distinctive new-looking surface that is skid resistant, long-lasting and easy to clean.

#### Composition:

Road Renew is a concentrated, high solids, mineral colloid stabilized, polymer modified resin emulsion. It is fortified with fuel resistant, high molecular weight, unvulcanized rubber. The polymer is hot blended into a resin base prior to emulsification. The performance and bonding of Road

Renew to the pavement is enhanced by multi-component surfactant formulation.

#### Limitations:

In the liquid state, Road Renew must be protected from freezing. Do not store in direct sunlight or where temperatures exceed 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 Road Renew.

#### Methods:

Road Renew 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 Road Renew, application by means of specialized equipment is recommended. This equipment can be of two types, high volume positive displacement 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:

Road Renew is 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 Road Renew*

Water	20-30 Mesh Sand	Yield
20-25 gal.	600 lbs	147-152 gal.

All sand used should be clean, dry, pure silica sand, free of contaminants. Larger sand with an A.F. S. rating of 20 – 30 is specified for Road Renew.

#### 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	.15 - .16	.016 - .017
Primer	.015	.0016

One gallon of concentrate will cover 90 square feet per coat. 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, texture and porosity of the pavement to be sealed.

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 Road Renew over chip seals, or sealers which contain gilsonite. Road Renew 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 ribbing, crawling, nor show oil rings when 1 gal. of clean water is poured onto the surface.

Protect wet Road Renew 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:

Road Renew 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

#### Physical Composition:

Road Renew meets the following requirements when tested according to ASTM D2939:

Requirements	Max	Min
Non-Volatiles %	70	60
Water %	40	30
Ash of Non-Volatiles %	70	60
Specific Gravity	-	1.40

#### Environmental Considerations:

Road Renew is considered non-hazardous when tested according to the E.P.A.'s TCLP (Toxicity Characteristic Leaching Procedure). Road Renew is a water based material containing less than 10g/L (0.08 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.

**Caution: Application of this product in marginal weather conditions or improper mix designs can result in premature wear or product failure.**

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