

1. PRODUCT NAME

Neyra PolyPro™

2. MANUFACTURER

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- **Ultimate Protection:** Neyra PolyPro's high solids, polymer modified formula provides increased resistance to oil, gasoline and chemicals.
- **Maximum Durability:** Expect up to three times the wear of other pavement coatings.
- **Easy to Use:** Neyra PolyPro comes in a ready-to-use formula.
- **Safer & Easier to Clean:** The Neyra PolyPro System creates a seamless, skid resistant, event-textured surface.
- **Rich, Black "Brand New" Look:** Neyra PolyPro's tough, tight, waterproof seal is the longest lasting pavement coating.

3. PRODUCT DESCRIPTION

Neyra PolyPro is a premium quality pavement coating composed of refined coal tar that is fortified with rubber prior to emulsification. In addition, Neyra PolyPro contains a unique surfactant formulation which allows greater compatibility with asphalt surfaces.

Packaging:

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

Color:

Neyra PolyPro is a dark brown emulsion. When dry, Neyra PolyPro is coal black.

Basic Uses:

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

Composition:

Neyra PolyPro 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. Neyra PolyPro is also reinforced with geotextile fibers. The performance and bonding of Neyra PolyPro to the pavement is greatly enhanced by a multi-component surfactant formulation.

Limitations:

In the liquid state, Neyra PolyPro 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, surfaced cured, and free from all loose or foreign matter prior to the application of Neyra PolyPro.

Methods:

Neyra PolyPro 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 Neyra PolyPro, 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:

Neyra PolyPro is supplied with the dilution water already added and is designed to be mixed with mineral aggregate to create a ready-to-use pavement coating. No additional water is needed. Do Not Overdilute.

Per 100 gallons of Neyra PolyPro

Sand	Yield
400-450 lbs.	118-120 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.
Mix	.13 - .15	.014 - .016
Primer	.015	.0016

One gallon 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 Neyra PolyPro.

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

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

Protect wet Neyra PolyPro 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 with help to retain an attractive appearance.

6. TECHNICAL DATA

Applicable Standards:

Neyra PolyPro 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:

Neyra PolyPro meets the following requirements when tested according to ASTM D2939:

Requirements	Max	Min
Non-Volatiles %	44	42
Water %	48	44
Ash of Non-Volatiles %	38	34
Specific Gravity	-	1.18

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:

Neyra PolyPro is considered non-hazardous when tested according to the E.P.A.'s TCLP (Toxicity Characteristic Leaching Procedure). Neyra PolyPro is a water based material containing less than 50g/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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