

Penetrating Pavement Primer

1. PRODUCT NAME

Polyprime®

2. MANUFACTURER

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- **Maximum Adhesion:** Optimizes adhesion of pavement sealer to oxidized asphalt pavements, which creates a stronger surface and allows the pavement sealer to adhere properly.
- **Maximum Penetration:** Formulated with sub-micron particle sized polymers to insure deep penetration into oxidized surfaces.
- **Enhanced Sealer Spreadability:** Polyprime prevents rapid dehydration of sealer, enhancing spreadability.
- **Specialty Applications:** Greatly improves adhesion to oily filmed pavements, polished aggregate surfaces, and fine mix asphalt pavements.
- **Non-flammable:** Polyprime is a water-based material, easy to use and easy to apply with conventional sealcoating equipment.
- **Rapid Drying:** Polyprime dries quickly; does not delay sealcoating.

3. PRODUCT DESCRIPTION

Polyprime is a multi-polymer penetrating primer in concentrated form. It is specifically formulated to rejuvenate oxidized pavement surfaces, allowing greatly improved adhesion of pavement sealer.

Packaging:

Available in 5 gal. pails, 35 gal. fiber drums and 260 gal. totes.

Color:

Polyprime in its liquid state is dark gray and dries black.

Basic Uses:

Polyprime restores the integrity of the aged asphaltic concrete pavement surface, allowing pavement coating to bond securely and therefore last longer. Used as a restorative primer, Polyprime is an important part of a premium quality pavement sealing system. Polyprime should also be used on fine mix asphalt pavements, where aggregate is polished, or if there is an oily film throughout the pavement. May be used as a primer for new asphalt patches.

Composition:

As shipped, Polyprime is a water-based multi-polymer and surfactant blend.

Limitations:

Do not allow to freeze. Do not store in direct sunlight or where temperature exceeds 120°F. Polyprime is

a penetrating primer and is not intended for use as a finish coat.

4. INSTALLATION

Preparatory Work:

The areas to be treated must be free of dirt and grime. Scrape away build-up of oil, gas, and/or grease deposits before priming. Apply Petrobond (Product Data Sheet 152), an oil spot primer, to any heavy stains as an additional preventative measure.

Methods:

Apply to sound pavements with spray equipment.

Mix Design:

Polyprime is a concentrated material intended to be mixed with water to form a ready to use primer. Mix one part Polyprime with two parts water. Mix occasionally during use.

Per 100 gallons of Polyprime

Water	Yield
200 gal.	300 gal.

Application:

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

Application Rate per Coat

	Gal/SY	Gal/SF
Diluted Mix	.03 - .06	.003 - .006

One gallon of concentrate will cover 300 square feet. Multiply square yards of surface x .01 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. Avoid over or under application of the product. Polyprime is formulated to be used in a continuous, thin film.

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.

After the application of Polyprime has dried, the surface is then sealed with a pavement sealer.

Precautions:

Keep out of reach of children. Container should be closed when not in use. Do not apply over chip seals, or sealers which contain gilsonite. Not recommended for use on portland cement concrete or for indoor use.

New asphalt must 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 primer at all times from

freezing and rain.

Consult specific Neyra material safety data sheet before use.

5. MAINTENANCE

Tools and equipment may be cleaned promptly with water.

6. TECHNICAL DATA

Physical Composition:

As supplied, Polyprime meets the following requirements when tested according to ASTM D2939 and D244 procedures:

Requirements	ASTM	Max	Min
Non-Volatiles %	D2939	16.0	14.0
Viscosity	D244	75ku	65ku
pH	D244	10.0	9.0
Specific Gravity	D2939	1.25	1.1

Environmental Considerations:

Polyprime is considered non-hazardous when tested according to E.P.A.'s TCLP (Toxicity Characteristic Leaching Procedure). Polyprime is a water-based material containing less than 50g/L (.42lbs./ 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. To find the supplier most convenient to you, please contact us.



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