

NEYRA® Professional Grade

Poly+Plus

Latex Modifier for Coal Tar Sealer

1. PRODUCT NAME

Poly+Plus®

2. MANUFACTURER

Neyra Industries, Inc.
10700 Evendale Drive
Cincinnati, Ohio 45241

Phone: 513-733-1000

Toll Free: 800-543-7077

Fax: 513-733-3989

Email: info@neyra.com

Website: www.neyra.com

- **Meets Federal, ASTM Standard, and FAA Engineering Brief 46** for refined coal tar pavement sealer admixtures.
- **Causes Coating to Set Faster:** Opens lots to traffic sooner.
- **Multi-Purpose:** Cuts down on power steering marks.
- **Improves Coating Resistance** to oil, gasoline and chemicals.
- **Wearability:** Produces a longer wearing coating than standard refined coal tar pavement sealers.
- **Enhances Color:** Produces a blacker dried coating.

3. PRODUCT DESCRIPTION

Poly+Plus is a chemical resistant synthetic rubber latex additive formulated to reinforce and extend Tarconite, a coal tar emulsion pavement sealer (Product Data Sheet 102). Poly+Plus meets the requirements of FAA Engineering Brief 46.



Packaging:

Available in 5 gal. pails and 55 gal. steel drums.

Color:

Poly+Plus is pink in its liquid state and will enhance and darken the color of the dried Tarconite pavement sealer.

Basic Uses:

Poly+Plus is specifically formulated to meet the requirements of FAA Engineering Brief 46.

Composition:

As shipped, Poly+Plus is a chemical resistant synthetic acrylonitrile butadiene rubber latex. The latex rubber particle size in Poly+Plus is greater than 1000 Angstroms.

Limitations:

Poly+Plus must be protected from freezing. Do not store in direct sunlight or in temperatures exceeding 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 pavement sealers fortified with Poly+Plus.

Methods:

The application of pavement sealers modified with Poly+Plus may be by spraying, rubber-bladed squeegee, brush, or mechanical equipment specifically designed for this purpose. Due to the heavy bodied nature of pavement sealer modified with Poly+Plus, 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 the material thoroughly mixed and homogeneous 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:

A minimum of 2% Poly+Plus added per 100 gals. of Tarconite will show significant improvement in the performance of the applied coating. Adding 4-6% Poly+Plus will meet FAA Engineering Brief 46.

Per 100 gallons of Concentrated Sealer

Water	Poly+Plus	Sand	Yield
45 gal.	2 gal.	300-500 lbs.	160-170 gal.
55 gal.	4 gal.	300-500 lbs.	172-182 gal.
65 gal.	6 gal.	500-700 lbs.	194-204 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	.15 - .18	.019 - .022

Each application of the ready to use mixture shall be at the following rates: 0.15 to 0.20 gal./yd.²/coat.

One gallon of concentrate will cover 100 sq. ft. Multiply sq. yds. 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 available. 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:

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

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 sealers mixed with Poly+Plus 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:

Poly+Plus is designed to meet the requirements of FAA Engineering Brief 46 and ASTM D4866 Standard.

Physical Composition:

As supplied, Poly+Plus meets the following requirements when tested according to ASTM D2939:

Requirements	Max	Min
Non-Volatiles %	-	40
Water %	60	-
Specific Gravity	-	1.0

Drying Time:

When tested according to ASTM 2939, "set to touch" in 1 hour, exhibit "final set" in less than 6 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 modified with Poly+Plus is

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

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.



Neyra Industries, Inc.
10700 Evendale Drive
Cincinnati, Ohio 45241

Phone: 513-733-1000

Toll Free: 800-543-7077

Fax: 513-733-3989

Email: info@neyra.com

Website: www.neyra.com