



TARCONITE®

Asphalt Pavement Sealer

PRODUCT DATA SHEET #100

1. PRODUCT NAME

Tarconite®

2. MANUFACTURER

Neyra Industries, Inc.
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Cincinnati, Ohio 45241
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(800) 543-7077
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Additional Plant Locations:

So. Windsor, CT 800-666-3972
Apopka, FL 800-992-9930
Albuquerque, NM 505-344-8880
Cleburne, TX 800-345-1493
Richmond, VA 800-888-4098
Friendship, WI 800-545-0260

3. PRODUCT DESCRIPTION

Tarconite® is a concentrated refined coal tar emulsion specifically formulated as a weather protective, gas and oil resistant coating over bituminous pavements of airports, parking lots and driveways.

Sizes: Packaging is in 55 gal. steel drums. Bulk shipments are made in tank trucks.

Color: After complete cure, Tarconite® is black.

Basic Uses: Tarconite® extends the service life and reduces maintenance costs of off-street asphaltic concrete pavements. Tarconite® protects such pavements from the destructive effects of water, sunlight, oxidation, gasoline, motor oil, and many other chemicals and solvents. In addition Tarconite®, 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: As shipped, Tarconite® is a concentrated, high solids, mineral colloid stabilized, refined coal tar emulsion. The performance and bonding of Tarconite® to the pavement is greatly enhanced by a multi-component surfactant package.

Limitations: In the liquid state, Tarconite® must be protected from

freezing. Do not store in direct sunlight or where temperature exceeds 120°F.

4. INSTALLATION

Preparatory Work: The asphaltic concrete surface must be structurally sound, surface cured, and free from all loose or foreign matter prior to the application of Tarconite®.

Methods: Application of Tarconite® may be by spraying, rubber-bladed squeegee, brush, or mechanical equipment specifically designed for this purpose. Due to the heavy bodied nature of the slurry-mixed Tarconite®, application by means of specialized equipment is recommended. This equipment can be of two types, high volume positive displacement airless spray unit 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. Hand-work by means of rubber-bladed squeegee or brush is acceptable but should be limited to trim work and low to moderate traffic areas.

KEY BENEFITS

- **Prevents oxidation:** Tarconite® shields against the drying action of the sun. Reduces ravelling, cracking and deterioration.
- **Jet black color:** Tarconite® restores that clean, new look.
- **Longer lasting:** High solids enhance suspension of mineral aggregate to provide a smooth, even-wearing surface.
- **Stops weather damage:** Prevents water seepage into the porous asphalt structure.
- **Highly resistant:** Resists gasoline, oils, acids, and jet fuels.
- **Fortified formula:** Tarconite® is modified with ingredients that give it superior water resistance and significantly improve its adhesion to the pavement.

Mix Design: As supplied, Tarconite® is a highly concentrated material intended to be mixed with water and mineral aggregate to form a ready to use pavement sealer. The ready to use mixture consists of 0.25 to 0.35 gal. (25-35% cut) of water and 5 lbs. of sand thoroughly mixed per gal. of Tarconite® concentrate.

All sand used should be clean, dry, pure silica sand, free of clay, trash particles and other 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 asphaltic concrete pavement, the following application procedures are recommended for best service:

- Each application of the ready to use mixture shall be at a rate of 0.14 to 0.17 gal./yd.²/coat. Coverage rates can vary with the age, texture, and porosity of the pavement to be sealed and with the method of application.

- **Low to Moderate Traffic**—Industrial and commercial driveways, parking lots, airfield taxiways, gasoline station aprons, etc., apply two sand-slurry coats.

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Neyra Industries, Inc.
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PAVING AND SURFACING
Pavement Sealer

TARCONITE®

Asphalt Pavement Sealer

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• **High Traffic**—Industrial and commercial driveways, parking lots, air-field service areas, etc., apply three sand-slurry coats.

On a typical parking lot, a combination of application systems could be used. For example, two coats for the parking stalls and a third coat 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 cured sufficiently to accept regular traffic. Under good drying conditions, this usually requires about 24 hours. Ideal drying conditions are temperature of 70°F, sunlight, low relative humidity and movement of air. Lower temperatures, high humidity, clouds or shade, and lack of air movement retard cure.

Precautions: Do not apply Tarconite® over chip seals, or sealers which contain gilsonite. Tarconite® 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.

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 Tarconite® pavement sealer 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. Oil

drippings may be removed with mild detergent. As a rule, a clean, well-marked, parking lot is safer and will last longer. Occasional flushing with water or the use of a contracted cleaning service will help to retain attractive appearance.

6. TECHNICAL DATA

Applicable Standards: Tarconite® meets the composition and performance standards of ASTM D5727 and Federal Specification R-P-355E, "Emulsified Refined Coal Tar". When combined with latex rubber, Tarconite® also meets the requirement of FAA Specification P627 for Rubberized Coal-Tar Pitch Emulsion Sealers.

Environmental Considerations: Tarconite® is considered non-hazardous when tested according to E.P.A.'s T.C.L.P. Tarconite® is a water based material containing less than 50g/L (.42 lbs./gal.) VOC content.

Physical Composition: Tarconite®, as supplied, meets the following requirements when tested according to ASTM D2939 and D244 procedures:

	Max	Min
Non-Volatiles %	-	47
Water %	53	-
Ash of Non-Volatiles %	40	30
Specific Gravity	—	1.2

Drying Time: "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 and Resistance to Water: The cured coating exhibits no penetration, blistering, loss of adhesion, nor tendency to re-emulsify after immersion for 24 hours. Complete sampling and test procedures are available upon request.

7. TECHNICAL SERVICES

Complete technical data, C.S.I. formatted application specifications, product and application recommendations, and material safety data sheets, as well as assistance with special situations and field service are available upon request.

• Specifications are available on computer diskettes

8. WARRANTY

Tarconite®, as shipped from the factory, is warranted to meet all composition and performance criteria as stated under Technical Data in Section 6. If there is any determination to the contrary, purchase price of the material will be refunded.

9. ADDITIONAL INFORMATION

Neyra Industries, Inc. manufactures a full line of pavement maintenance products.

- Pavement Sealers: Jennite®, PaveShield™, Tarconite®
- Additives: Armorflex®, Neyra QSA™, Poly-Plus®
- Crack Fillers/Sealants: Drive Gard® Filler, Micro Mix™, Neyra® Acrylic, Plyolastic®, Thermo-Seal™
- Primers: Neyra® Oil Seal, Polyprime®
- Patching Materials: Drive Gard® Patch, Perma Pave®
- Traffic Paint: Neyra® Marking Paint
- Neyra application equipment.

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/or 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.