

# PRODUCT DATA BULLETIN II

## SWEPCO PAVRON

### DESCRIPTION AND PURPOSE

SWEPCO Pavron is a smooth, black emulsion sealer designed to protect both old and new asphalt pavement from moisture and oxidation. Because it is made from a superior coal tar pitch emulsion, it also helps protect pavement from deterioration due to fuel, oil, solvent and chemical spillage.

### OUTSTANDING FEATURES

#### ALL SEASON PROTECTION

SWEPCO Pavron provides the protection property owners need to keep their paved areas in tip top shape. By sealing hairline cracks and providing a protective barrier against age hardening, SWEPCO Pavron provides protection year round. In Winter, it protects pavement by reducing the amount of water penetration and resulting freeze thaw damage. In Spring, pavement sealed with SWEPCO Pavron channels water quickly off paved areas before it can seep down into subgrades to cause chuck holes. In hot Summer months, the tough, weather resistant surface protects pavement from the harmful oxidizing effects of the blazing sun.

#### SPECIAL RESISTANCE TO FUELS, SOLVENTS, CHEMICALS

SWEPCO Pavron also provides excellent protection against deterioration due to fuel and oil leaks as well as most solvent and chemical spills. SWEPCO Pavron is resistant to gasoline, oils, kerosene, jet fuels, alcohols, many acid solutions, de-icing chemicals and many

other petroleum solvents and industrial chemicals. SWEPCO Pavron's resistance to these substances is the direct result of its superior coal tar pitch emulsion formulation. This formula provides the barrier needed to protect paved areas from damage caused by these substances. Instead of seeping into asphalt pavement, these substances simply remain on the surface where they can evaporate or be cleaned up quickly and easily.

#### PROLONGS PAVEMENT LIFE

Water infiltration, freeze-thaw damage, erosion, oxidation and petroleum and chemical based deterioration are the major common causes of asphalt deterioration. By protecting asphalt pavement from all of these natural and man-made enemies, SWEPCO Pavron makes pavement last longer. The tough surface provided has more resistance to these harmful elements than the asphalt itself.

#### REDUCES MAINTENANCE COSTS

Pavement protected with SWEPCO Pavron costs less to maintain. Because it protects against the causes of cracks, erosion, freeze-thaw damage and chuck holes, pavement needs less maintenance. Studies show that periodic resealing can save as much as 60% of the cost of annual repairs and can make costly pavement overlays unnecessary.

#### KEEPS PAVEMENT LOOKING GOOD

Another benefit of pavement protected with SWEPCO Pavron is that it just looks great. The jet black finish lasts and lasts. And because the surface is sealed



against water, it has a tendency to stay cleaner than unsealed pavement. Cracks don't trap dirt and debris. Because rain will be channeled quickly off the paved area, it has a cleansing effect. Cleaner, more attractive, well maintained parking areas can mean more drive-in business for businesses that rely on retail patronage.

EASY, FAST, CONVENIENT AND INEXPENSIVE

SWEPCO Pavron is a superior product of SWEPCO "cold process" technology. The product is simply poured from the container and brushed smooth. As a result, it does not take large, expensive crews to install. No heating or special equipment is required. Anyone can get professional results following the simple instructions provided with every order. Because application is fast and is not labor intensive, the cost of installation is much cheaper.

And there are no long, inconvenient delays. Paved areas are back in service in record time.

ECONOMICAL COVERAGE RATE

SWEPCO Pavron's coverage rate is also one of the most economical in the industry. It costs less to protect paved areas with SWEPCO Pavron because it takes less material.

VERSATILE

SWEPCO Pavron is perfect for protecting all types of asphalt pavement. Parking lots. Drive-ways. Maintenance bays. Bicycle, golf cart and walking paths. Loading docks. Fueling areas. Warehouse floors. Manufacturing areas. Anywhere pavement exists and has a need for longevity, reduced maintenance, improved appearance and special resistance to petroleum products and chemicals. SWEPCO Pavron is the answer.



GENERAL DATA:

TYPICAL PHYSICAL PROPERTIES

Viscosity, Stormer, @77°F (25°C), KU (ASTM D-562) .....	130
Specific Gravity, @60°F (15.5°C) (ASTM D-70) .....	1.2
Unit Weight, lb/gal (ASTM D-70) .....	10
Unit Weight, kg/liter (ASTM D-70) .....	1.2
Drying Time, to touch, hours .....	2-4
Drying Time, thorough, hours .....	24
Flash Point .....	NA (Water Base)
Wet Film Thickness, 1 gal/100 ft <sup>2</sup> , mil (Calculation) .....	16
Wet Film Thickness, 1 liter/m <sup>2</sup> , mm (Calculation) .....	1
Dry Film Thickness, 1 gal/100 ft <sup>2</sup> , mil (Calculation) .....	6.4
Dry Film Thickness, 1 liter/m <sup>2</sup> , mm (Calculation) .....	0.4
Color, Cured .....	Black

TYPICAL PERFORMANCE PROPERTIES

Workability .....	Permits application by brush
Behavior, @176°F (80°C) (ASTM D-466) .....	No sagging, blistering or slipping
Pliability, @32°F (0°C) (ASTM D-466) .....	No cracking or separation
Resistance to Impact (R-P-355E) .....	No chipping, flaking or cracking
Resistance to Volatilization (ASTM D-3320) .....	10% Max.
Storage Stability .....	1 Year

TYPICAL CHEMICAL PROPERTIES

Non Volatile, % wt, min (ASTM D-402) .....	47
Volatile, % wt, max (ASTM D-402) .....	53
Solubility, % non volatile in CS <sub>2</sub> , % wt, min (ASTM D-4) .....	20
Resistance to Petroleum Solvents .....	Excellent
Resistance to Water .....	Excellent

## GENERAL DATA:

## APPLICABLE SPECIFICATIONS

U.S. Federal Standard R-P-355E  
ASTM D-3320

## APPLICATION INFORMATION:

**IMPORTANT:** SWEPCO Pavron is a smooth, black coal tar pitch emulsion sealer designed to provide general purpose protection of both old and new asphalt pavement from moisture and oxidation. It also helps protect pavement from deterioration due to fuel, oil, solvent and chemical spillage. It can provide effective protection only when the surface is basically sound. An area which is cracked as a result of a sinking or defective base or one which is severely damaged by solvents, chemicals or weather will not be helped by surface protection measures only. Defects in such areas must be corrected before application of SWEPCO Pavron.

**PREPARATION:** The surface must be swept clean of sand, dust and loose particles. Remove all grease and oil deposits by thoroughly washing these areas with an all-purpose cleaner, such as SWEPCO Zonex-K Industrial Cleaner. After cleaning, flush the areas with water and allow to dry thoroughly. Heavy grease and oil deposits can be removed by lightly burning the areas with a small blow torch and scraping loosened deposits from the surface. Small cracks (less than 1/4 inch or 6 mm wide or deep) should be sealed with SWEPCO Crack Filler, allowing it to cure for 72 hours before sealing work continues. (See instructions for SWEPCO Crack Filler.) Larger cracks (up to 1/2 inch or 12 mm wide or deep) may be sealed with SWEPCO Pourable Crack Filler. (See instructions for SWEPCO Pourable Crack Filler.) Chuck holes and areas of loose pavement should be repaired with a cold patching mix, such as SWEPCO Chuck Hole Filler before proceeding with application. (See instructions for SWEPCO Chuck Hole Filler. Not available outside U.S. and Canada.)

**APPLICATION:** SWEPCO Pavron is applied with standard roofing-type brushes or airless spray equipment at the minimum coverage rates recommended below. Prior to application, SWEPCO Pavron must be thinned with clean water at the rate of 0.50 gal. of water per 6.00 gal. of SWEPCO Pavron (2 liter/24 liter). Add the water slowly and stir thoroughly to insure a uniform mixture. If desired, a skid resistant surface can be created on inclined

surfaces by thoroughly mixing 3.00 lbs. of brick sand with each gallon of the thinned mixture (1.36 kg/3.79 liter). In temperatures above 90°F (32°C), application is made easier and better penetration is promoted by dampening the pavement with water ahead of application. Leave NO standing water or puddles and do not wet down such a large area that the surface becomes dry before the material is actually applied. Application should begin at the highest elevation of the surface to be coated. Pour the materials in a line across the pavement and draw it down with a brush or squeegee. The material should be "scrubbed in" with a brush right after it is drawn down to prevent puddles and thick build-ups. When additional sealer is poured, overlap the new material onto the "wet edge" of the material just applied to prevent lap marks and insure uniform coverage. Squeegees are very effective for initial spreading of the material, but squeegee application should be followed immediately by brushing with a soft-bristled brush to remove excess material from depressions in the surface. Failure to remove these "puddles" can cause tracking problems.

**APPLICATION PRECAUTIONS:** SWEPCO Pavron should not be applied at temperatures above 90°F (32°C). SWEPCO Pavron will freeze. It should not be stored below 35°F (2°C) or applied in temperatures below 50°F (10°C). It should not be applied in rainy or foggy weather or if these conditions are expected within eight hours of application. Do not apply over new asphalt until it has cured for at least 60 days. Avoid over-application. This is a "sealer", not a "coating". Over-application slows down the curing process and contributes to "tracking".

### MINIMUM COVERAGE RATES:

Smooth, Dense Surface -- 1.00 gal. per 100 sq. ft. (0.41 liter/m<sup>2</sup>).

Medium Surface -- 1.25 gal. per 100 sq. ft. (0.51 liter/m<sup>2</sup>).

Rough, Porous Surface -- 1.50 gal. per 100 sq. ft. (0.61 liter/m<sup>2</sup>).

NOTE: These coverage rates are minimum coverage rates. Do not under

## APPLICATION INFORMATION:

(Continued)

apply the product as this can adversely affect product performance.

**CURING:** Proper curing time is necessary to avoid problems of "tracking". Curing is influenced by a variety of factors, such as air and ground temperature, humidity and weather conditions immediately preceding and following application. Normal curing time required for vehicle traffic is 24 hours. However, actual conditions at the time of application must always take precedence over these or any other suggested curing times. It is recommended that a small area be tested to determine approximate drying time.

**ADDITIONAL INFORMATION:** For additional information or recommendations, write: Southwestern Petroleum Corporation, P O Box 961005, Fort Worth, Texas 76161-0005; Southwestern Petroleum Canada Ltd., 87 West Drive, Brampton, Ontario L6T 2J6; or N. V. Southwestern Petroleum Europe S. A., P.O. Box No 3, B-2390 Oostmalle, Belgium.

### SAFETY PRECAUTIONS

#### HARMFUL OR FATAL IF SWALLOWED-COMBUSTIBLE

Contains Coal Tar

Avoid contact with eyes. Avoid contact with skin. Protect exposed skin with petroleum jelly. **DO NOT APPLY IN TEMPERATURES ABOVE 90°F (32°C).** Wear protective goggles, gloves and clothing. Avoid breathing of vapors. Use with adequate ventilation or approved respirators in confined areas. Use approved respirators during spray application and keep respirators clean and functioning properly. Do not take internally. Store and use away from heat, open flame or spark sources. Close container tightly after each use. Do not transfer to unlabeled or breakable containers. Use only for purposes intended. Keep out of reach of children.

### EFFECTS OF OVEREXPOSURE:

Contact with eyes or skin can cause irritation and inflammation especially at temperatures above 90°F (32°C). Breathing of vapors can cause respiratory difficulty, dizziness, headache, nausea, irritation of nose or throat and in extreme cases of chronic exposure, cancer. Ingestion can cause symptoms similar to inhalation; aspiration into lungs can cause serious injury or death.

### FIRST AID PROCEDURES:

**Eye Contact** — Flush with water for 15 minutes. If pain or redness persists, seek medical attention immediately. **Skin Contact** — Wash with soap and cold water after wiping off excess material. If irritation persists, seek medical attention. **Inhalation** — Remove to fresh air. If breathing difficulty persists, give oxygen or resuscitate and **SEEK MEDICAL ATTENTION IMMEDIATELY.** **Ingestion** — Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

### PHYSICAL EMERGENCY PROCEDURE:

If ignited, extinguish with CO<sub>2</sub> or dry chemicals. Water or foam may cause frothing. Water may be used to keep containers cool or flush spills away from area of involvement.

For further information, consult the Material Safety Data Sheet (MSDS) for this product or in an EMERGENCY call 1-800-424-9300, 24 hours a day.

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