

## PAVISEAL EMULSIFIED ASPHALT SEALCOATING

### PRODUCT DESCRIPTION

PAVISEAL is a mineral filled emulsified asphalt sealcoating engineered to provide superior abrasion resistance along with improved sealing ability to enhance and prolong the life of asphalt pavement.

PAVISEAL is designed for use on any asphalt pavement surface such as parking lots, airports, driveways, bike paths, school yards and walk ways. PAVISEAL was engineered to prevent detrimental damage to asphalt pavement due to the damaging effects of the weather and the sun. Rain, snow, ice and frost combined with ultraviolet light can cause severe oxidation and deterioration of the binder allowing the top fines to come loose thus exposing the course aggregate.



PAVISEAL seals and protects the asphalt pavement by replacing the smooth surface of fines and binders necessary to protect the pavement from the elements. PAVISEAL also returns the rich black appearance of a new asphalt pavement.

Under normal wear and tear a properly applied application of PAVISEAL should not require a reapplication of PAVISEAL for up to three years.

Reapplication of PAVISEAL should be at the recommended rates. Regular preventive maintenance can extend the life of asphalt pavement significantly.

### PREPARATION OF THE SURFACE

The pavement surface to be sealed must be clean and dry prior to application of PAVISEAL. All cracks larger than 1/8" in size should be filled with crack filler suitable for the application and geographic climate. Any pot holes, alligatored or broken up pavement should be repaired prior to application of PAVISEAL.

### EQUIPMENT

PAVISEAL may be applied like any other mineral filled sealcoat product. No special training or equipment is required. PAVISEAL may be squeegee or brush applied using standard hand tools. Sealcoat application machines utilizing drag or rotary brushes are recommended. Spray application equipment may also be used providing the equipment has a pump and piping system capable of handling mineral filled materials. The application equipment must be in good working order and contain no contaminants in the tank and piping systems.

**Denver Industrial Sales & Service Company**

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Ph 303-935-2485 Fax 303-935-6787

[www.dissco.net](http://www.dissco.net)

## APPLICATION RATES

The rate of application for PAVISEAL will vary depending on the age, texture and porosity of the asphalt pavement. The recommended application rate for PAVISEAL is .12 to .13 gal per square yard (70 to 75 square feet per gallon) of diluted Paviseal per coat. Two coats are recommended. A recommendation of 3 coats is recommended in high traffic areas such as shopping center entrance-ways. Multiple coats may be applied as soon as the previous is dry enough to walk or drive on without damaging or cutting the previously applied coat (usually 60 to 90 minutes under normal conditions).

## DILUTION

PAVISEAL is supplied in a concentrate form and should be diluted prior to application. It is recommended that PAVISEAL be diluted 15% to 20% of the total (1 part water to 4 parts Paviseal). After addition of water, PAVISEAL should be mixed thoroughly until uniform.



## APPLICATION PRECAUTIONS

PAVISEAL should not be applied to damp or wet pavement surfaces. Do not apply during rainy or damp weather or when rain is anticipated within eight (8) hours after application is completed. Pavement temperatures should be 50° F and rising before application of PAVISEAL is initiated. At least three hours of daylight should remain after completing the application of PAVISEAL. DO NOT apply Paviseal if freezing temperatures are expected within 16 hours of application.

## ADDITION OF POLYMERS

Cationic polymer modifiers may be added to PAVISEAL to enhance adhesion, toughness and increase resistance to oxidation and improve fuel resistance. It is recommended that the modifier be added at a percentage of 1% to 5%. Be sure to experiment to find the right percentage rate to achieve the desired consistency. Thoroughly mix PAVISEAL after addition of a polymer to achieve a product of uniform consistency. CAUTION: USE OF POLYMERS MAY ACCELERATE THE DRYING / SET TIME BEYOND REASONABLE WORKABILITY LIMITS. DO NOT USE AN ANIONIC LATEX

## ADDITION OF SAND

PAVISEAL has been engineered to provide a premium sealcoat product. Sufficient mineral aggregate has been added to the product to fill surface voids and provide an antiskid surface. Although not necessary, sand may be added to PAVISEAL if desired. If sand is to be added it should be clean; free of dirt, silt, clay, salts and organic matter. Sands with the following gradations may be used:

<u>GRADE 1</u>		<u>GRADE 2</u>	
<u>SIEVE SIZE</u>	<u>% PASSING</u>	<u>SIEVE SIZE</u>	<u>% PASSING</u>
No. 16	100	No. 30	100
No. 30	15 – 85	No. 40	0 – 15
No. 50	2 – 10	No. 100	0 – 2
No. 100	0 – 2		

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## STORAGE & HANDLING

PAVISEAL is a chemically stabilized mineral filled Cationic Asphalt Emulsion and may be stored like any other mineral filled emulsified product. Horizontal storage tanks equipped with centrally located full sweep horizontal agitation should be used. Diaphragm pumps are recommended. Positive displacement gear pumps capable of handling abrasive materials, progressive cavity and piston pumps may also be used. Care should be taken not to mix PAVISEAL with an Anionic or Coal Tar base sealer. This could result in a reaction of the two materials with a result of the asphalt and water separating in the mix or storage tank and/or accelerated curing. Since any emulsion can be damaged by freezing, PAVISEAL should be protected at all times when the temperature drops below 40° F.

## CURE TIME

Cure time for PAVISEAL under normal conditions is normally two to eighteen hours. However, cure time may vary depending on weather conditions. On cool or humid days or in sheltered or shady areas drying time may be longer. In two coat applications, allow the first coat to cure before applying the second coat.

## CLEAN UP

PAVISEAL that has not dried may be removed from hands and tools by rinsing with water. PAVISEAL that has dried can be removed from tools, equipment or curbs with mineral spirits or a good citrus based cleaner and can be removed from hands with a good waterless hand cleaner.



## PRODUCT SPECIFICATIONS

Uniformity.....	Homogeneous with no separation or coagulation that cannot be overcome by moderate agitation.
Weight per gallon.....	10 to 12 pounds
Residue by evaporation.....	63% minimum
Penetration of residue.....	40 maximum
Nonvolatile Matter	
Soluble of 1,1,1 Trichloroethane.....	15% minimum
Ash Content of residue from evaporation.....	75% to 80%
Water content.....	37% maximum
Flammability.....	No tendency to ignited or flash
Wet flow.....	No sagging or flow of undiluted emulsion
Firm set, 24 hour.....	No tendency of film to break, roll or peel
Heat test at 176° F.....	No blistering, sagging or slipping
Resistance to water.....	No blistering or tendency to re-emulsify
Direct flame test.....	No run down, or ignition of cured film
Aggregate passing No. 16 sieve.....	100%
Wet track abrasion test.....	3% maximum (modified method)

## AVAILABILITY

PAVISEAL is available bulk and in package sizes of 5 gallon pails and 55 gallon drums.

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**PAVEMENT PRESERVATION SOLUTIONS**

## **CAUTION**

Use with adequate ventilation. Vapor may be harmful. Avoid prolonged or repeated contact with skin or breathing of vapor. Do not use in a confined space without adequate ventilation. Close container tightly after each use. Harmful or fatal if swallowed. If swallowed, DO NOT INDUCE VOMITING. Call physician immediately. KEEP OUT OF REACH OF CHILDREN.

## **WARRANTY**

DISSCO warrants its products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on site conditions are beyond our control and can affect performance, DISSCO makes no warranty express or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to DISSCO coatings. DISSCO's sole obligation shall be, at its option, to replace, or to refund the purchase price of, the quantity of DISSCO coating proved to be defective and DISSCO shall not be liable for any loss or damage, including incidental or consequential damages, arising from the use DISSCO coatings.

**In case of an EMERGENCY involving any DISSCO product please call:  
Info-Trac @ 1-800-535-5053**

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