

1. PRODUCT NAME
OptiPave™

2. MANUFACTURER

SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone: 800-395-7325
www.sealmaster.net

3. PRODUCT DESCRIPTION & BENEFITS

OptiPave™ is a highly durable bituminous emulsion surface treatment designed to beautify and protect asphalt pavements. OptiPave™ is fortified with elastomeric polymers to enhance both adhesion and cohesion. OptiPave is job-mixed with sand or aggregate to produce a high solids (68%-72% solids) surface treatment. The high level of aggregate provides superior durability and safety for both vehicle and pedestrian traffic. OptiPave™ is also fast-drying.

Basic Uses: OptiPave™ is designed to beautify and protect all types of asphalt pavement surfaces.

Composition: OptiPave™ is an elastomeric polymer modified asphalt emulsion bituminous surface treatment fortified with adhesion promoters.

Sizes: OptiPave™ is available in 4,000 gallon bulk tankers, 55-gallon drums, and 5-gallon pails.

Color: OptiPave™ dries to a deep, rich black color.

Limitations: OptiPave™ shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period after application.

4. TECHNICAL DATA

ASTM Test Methods:

- D-140 Sampling of Bituminous Materials
- D-466 Methods of Testing Film Deposits from Bituminous Emulsions
- B-117 Salt Spray (FOG) Testing
- D-529 Recommended Practice

for Accelerated Weathering Test Of Bituminous Materials

- D-2939 Bituminous-Base Emulsions for use as Protective Coatings

Environmental Considerations: OptiPave™ does not contain asbestos. OptiPave™ is an environmentally friendly water based pavement sealer containing less than 100 grams per liter volatile organic content (VOC).

Physical/Chemical Properties: OptiPave™ is an elastomeric polymer modified asphalt emulsion fortified with adhesion promoters.

5. INSTALLATION

Surface must be clean and free from all loose material and dirt. Pavement surface repairs should be made with a suitable hot or cold asphalt mix. Cracks should be filled with SealMaster hot pour or cold applied crack fillers. Treat all grease, oil, and gasoline spots or stains with SealMaster Petro Seal or Prep Seal.

Methods: OptiPave™ shall be applied by either pressurized spray application equipment or self-propelled squeegee equipment. Pressurized spray equipment shall be capable of spraying pavement sealer with sand added. Equipment shall have continuous agitation or mixing capabilities to maintain homogeneous consistency of pavement sealer

mixture throughout the application process. Self-propelled squeegee equipment shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of sealer into bituminous pavement. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.

Mixing Procedures:

For optimum results OptiPave™ shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):
OptiPave™ 100 gallons
Sand* 1,000 - 1,200 lbs.
*(20-60 mesh AFS)

For use over tar and chip seal applications, use the following mix design:
OptiPave™ 100 gallons
Sand 400-600 lbs.

If required, a small amount of water may be added to facilitate application of mixed material.

NOTE: A coarser aggregate may be substituted for sand. Contact your SealMaster representative for more information on the use of coarser aggregates.

TEST	SPECIFICATIONS	RESULT
Material	Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring.	PASSES
Chem. & Physical Analysis		
- Non Volatiles %	34-39% (68-72% with aggregate)	PASSES
- Ash Non Volatiles %	9-12% (75-82% with aggregate)	PASSES
- Specific Gravity 25°C Min	1.15	PASSES
Drying Time	8 Hr. Max.	PASSES
Adhesion & Resistance to Water	No Penetration or Loss of Adhesion	PASSES
Resistance to Heat	No Blistering or Sagging	PASSES
Flexibility	No Cracking or Flaking	PASSES
Resistance to Impact	No Chipping, Flaking or Cracking	PASSES

OptiPave™

Application: For optimum performance and durability apply two coats of OptiPave™ with sand. A third coat of OptiPave™ with sand may be applied to high traffic areas such as entrances, exits, and drive lanes.

Application Rate of Mixed OptiPave™: Apply properly mixed OptiPave™ (OptiPave™, Sand, and Water - if needed) at a rate of .11 to .13 gallon per square yard (70-82 square feet per gallon) per coat.

Estimating Material Requirements: To estimate gallons of OptiPave™ required to cover a specific area use the following coverage rate: One gallon of OptiPave™ will cover approximately 105-115 square feet (11.66 to 12.77 square yards) per coat when mixed with 55-60 mesh sand. This is only an estimate as pavement condition and method of application may significantly affect coverage rates. Also, mixing coarser aggregate with OptiPave™ will significantly lessen coverage.

Note: Coverage rates may vary significantly due to pavement condition, method of application and aggregate used.

Precautions: Both surface and ambient temperature shall be a minimum of 50°F. Temperature shall not drop below 50°F in a 24 hour period following application. New asphalt surfaces should be allowed to cure a minimum of four weeks under ideal weather conditions (70°F) before applying OptiPave™. **Keep Out Of Reach Of Children.** Do not store unopened drums or pails in freezing temperatures.

6. AVAILABILITY & COST

Availability: OptiPave™ is supported by a nationwide network of SealMaster manufacturing facilities along with a national network of professional applicators.

Cost: Cost information can be obtained from a local OptiPave™ applicator. Contact SealMaster for the OptiPave™ representative in your area.

7. WARRANTY

SealMaster warrants that OptiPave™ meets the chemical composition and performance requirements set forth in section 4. Liability to the buyer or user of this product is limited to the replacement value of the product only.

8. MAINTENANCE

Periodic cleaning of parking lot surface will ensure optimum product service life.

9. TECHNICAL SERVICES

Manufacturer: Complete product specifications, material safety data sheets, and technical assistance is available from SealMaster.

OptiPave™ Professional Applicators: Your local OptiPave™ applicator is available to provide on-site inspections and recommendations to meet your specific needs.

10. FILING SYSTEMS

- SealMaster Online Specification at www.sealmaster.net
- Complete SealMaster Product and Equipment Catalog Available

The statements made on this specification sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose. Warranty is void on multi-coat applications if material made by other manufacturers is used with this product.

Form No.: SMT-215
Date: January 2009

Copyright © 2009, SealMaster
All Rights Reserved.

SealMaster
Phone: 1-800-395-7325

www.sealmaster.net