

# SEALMASTER PMB

## Pavement Sealer

**SMT-103**

REVISED 5/03/15

### PRODUCT DESCRIPTION

SealMaster PMB is a premium quality coal tar emulsion pavement sealer fortified with rubber polymers and special surfactants. PMB is job-mixed with specifically graded aggregate and applied at a rate of 60-65% solids. The aggregate provides a safe, skid-resistant surface for both pedestrian and vehicle traffic. PMB dries faster than conventional pavement sealers that are diluted with water prior to application. PMB protects pavement from oxidation, moisture intrusion, fuel, and oil. PMB's deep, rich black color gives old, oxidized pavement a "like new" surface that melts snow and ice faster, and reduces cleaning and maintenance costs.

### USES

SealMaster PMB is designed to beautify and protect asphalt pavement surfaces including parking lots, airports, driveways, and roadways.

### COMPOSITION

PMB is a polymer-modified, clay stabilized coal tar pitch emulsion pavement sealer fortified with specialty surfactants to promote superior adhesion and durability. PMB is job mixed with select aggregate to produce a superior skid-resistant wearing surface.

### SIZES

SealMaster PMB is available in 4,000 gallon bulk tankers, 55-gallon drums, and 5-gallon pails.

### COLOR

PMB dries to a deep, rich black color.

### LIMITATIONS

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

### TECHNICAL DATA

SealMaster PMB meets the requirements of ASTM D 5727, ASTM D 490, and RP 355e specifications for coal tar pitch emulsion (CTPE) pavement sealer.

### ENVIRONMENTAL CONSIDERATIONS

SealMaster PMB does not contain asbestos. PMB is an environmentally friendly water based pavement sealer containing less than 50 grams per liter volatile organic content (VOC).

### PHYSICAL/CHEMICAL PROPERTIES

SealMaster PMB is a premium quality pavement sealer that meets the following material requirements when tested in accordance with ASTM D 140, ASTM D 466,

ASTM D 490, ASTM B117, ASTM D 529, ASTM D 2939, and ASTM D244 procedures.

Test	Specifications	Result
Material	Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring	PASSES
<b>Chemical &amp; Physical Analysis</b>		
Non Volatiles %	47-53%	PASSES
Ash Non Volatiles %	30-40	PASSES
Solubility of Non Volatiles in CS <sub>2</sub> %	20 min.	
Specific Gravity 25°C	1.18 Minimum	PASSES
Drying Time	8 Hr. Max	PASSES
Adhesion & Resistance to Water	No Penetration or Loss of Adhesion	PASSES

### 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

SealMaster PMB 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

Sand-Filled Coats: For optimum results PMB shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):  
 PMB Concentrate . . . . . 100 gallons  
 Sand (40-70 mesh AFS rating) . . . . . 400 - 500 lbs.

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

Primer Coat: For use as a primer (without sand) use the following mix design:  
 PMB Concentrate . . . . . 100 gallons

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Water . . . . . 20 - 25 gals.

### APPLICATION

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

### APPLICATION RATE OF MIXED SEALMASTER PMB

Primer Coat: Apply properly mixed PMB (PMB Concentrate, Water) at a rate of .06 gallon per square yard (150 square feet per gallon)

Sand-Filled Coats: Apply properly mixed PMB (PMB Concentrate, 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 PMB Concentrate required to cover a specific area use the following coverage rate:

Primer Coat: One gallon of PMB Concentrate will cover approximately 180 square feet (20 square yards) when properly mixed as a primer coat and applied.

Sand-Filled Coats: One gallon of PMB Concentrate will cover approximately 85-95 square feet (9.4 to 10.5 square yards) per coat when properly mixed as a sand-filled coat and applied.

NOTE: Coverage rates may vary due to pavement age and porosity.

### CAUTIONS

Both surface and ambient temperature shall be a minimum of 50°F and rising during Liquid Road application. Do not apply if temperature is expected to drop below 50°F within a 24 hour period after Liquid Road application.

### PACKAGING AND AVAILABILITY

PMB is supported by a nationwide network of SealMaster manufacturing facilities along with a national network of professional applicators.

### WARRANTY AND DISCLAIMER

The statements made on this technical data 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.

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