

PMM

Asphalt Based Pavement Sealer

LASTS UP TO
TWICE
AS LONG AS
CONVENTIONAL
SEALCOATS



SEALMASTER®/ARIZONA

MFG. PLANT: 2003 W. McDowell Road
Phoenix, AZ 85009
Phone: (602) 253-4660

DISTRIBUTION LOCATIONS: 462 South Robson
Mesa, AZ 85210
Phone: (480) 964-5442

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www.sealmaster.net



1. PRODUCT NAME

Polymer Modified MasterSeal
Ready To Use (PMM)

2. MANUFACTURER

Seal Master®/Phoenix
2003 W. McDowell Rd.
Phoenix, AZ 85009
Phone: (602) 253-4660
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3. DESCRIPTION:

PMM combines proven asphalt blending and polymer modification technologies with factory mixed fine aggregates and minerals to produce a high solids, high performance sealcoat. **PMM** provides superior durability and protection against oxidation, water intrusion and other environmental challenges. **PMM** provides years of protection, reduces the frequency of sealcoating and saves maintenance costs.

4. GUARANTEED READY TO USE FORMULA:

PMM, unlike conventional sealers, requires no water dilution or other contractor adjustments prior to application. It's unique, Ready-To-Use full-strength formula guarantees a factory controlled, quality assured and consistent product installed on your pavement.

5. SURFACE PREPARATION:

Pavement must be free of loose and embedded dirt, dust, vegetation and other foreign material. If traditional cleaning methods are not effective a power washer or tack coat of asphalt emulsion diluted 1:4 with water may be used. Structural repairs should be made and cracks 1/4" and larger should be sealed with approved crack sealant material. All grease and oil spots should be treated with PrepSeal or PetroSeal.

6. APPLICATION GUIDELINES:

New asphalt should not be sealed until after it has cured for a minimum of 30 days. New slurry seals must be exposed to a full summer heat cycle before application of **PMM**. Ambient and surface temperature must be at least 55°F and rising during application, and must remain above 50°F for a 24 hour period after application is completed. Do not apply if rain is forecast within 24 hours. Pavement surface should be misted with water in extremely hot temperatures (90 degrees and above). Two coats are recommended. The first coat must be completely dry before applying the second coat. Do not apply a second coat in areas that appear to be wet or areas that are damp to the touch until they are completely dry. A third coat may be applied in heavy traffic areas or on severely distressed pavements. Allow the sealcoat to dry completely before resuming traffic. Drying times are determined by the contractor based on temperature, humidity and other factors.

7. APPLICATION EQUIPMENT:

PMM may be applied by hand spray / squeegee, mechanical spray tankers or squeegee machines. Application units should be equipped with mechanical agitation systems to maintain the consistency of the material during the application, or to mix additional aggregate if needed.

8. APPLICATION RATES:

The recommended application rates for **PMM** are 50-65 sq. ft./gallon per coat or .14-.18 gallons/square yard per coat. Application rates may be adjusted depending on the pavement condition, traffic volume and other factors.

9. CLEAN UP:

Wash tools in water. Use TarBuster if material has dried.

10. CAUTION:

KEEP OUT OF REACH OF CHILDREN. Do not take internally. If swallowed, call a physician immediately. In case of contact with eyes, flush immediately with water for 15 minutes and call a physician. When not in use, keep containers tightly closed and upright to prevent leakage.

PMM Ready To Use Specifications

TEST PROPERTIES	TEST METHOD	SPECIFICATION
EMULSION:		
Uniformity	ASTM D 2939.04	PASS
Weight/gallon @ 77 deg. F	ASTM D 2939.07	10.5 lbs./gal.min
Residue by Evaporation (Solids), %	ASTM D 2939.08	50% min.
Asphalt Content by Weight, %	ASTM D 2939.21	17 min.
VOC Content by Volume, %	ASTM D 244-89	< 3%
Fine Aggregate and Mineral Filler Content by Weight, %	Manufacture Certification	34% min.
Polymer Content by Volume, %	Manufacture Certification	1.8%
Fiber-Reinforced Polymer to Asphalt Content by Weight, %	Manufacture Certification	3% min.
PERFORMANCE BASED TESTING:		
Resistance to Heat (No sagging or slipping observed.)	ASTM D 2939.14	PASS
Resistance to Water (No blistering or re-emulsification.)	ASTM D 2939.15	PASS
Wet Flow, mm	ASTM D 2939.19	0
Direct Flame Test (No continued combustion after 10 sec. No slippage, run down or charred material observed.)	ASTM D 2939.20	PASS
Wet Film Continuity (Material was uniformly distributed; no signs of inconsistency.)	ASTM D 2939.22	PASS
Resistance to Kerosene (No leakage of kerosene, loss of adhesion or discoloration of tile.)	ASTM D 2939.25	PASS
Wet Track Abrasion Test (1 hr.) gms/sqft. loss	ASTM D 3910	< 15
Wet Track Abrasion Test (6 day) gms/sqft. loss	ASTM D 3910	< 15
FINE AGGREGATE SIEVE ANALYSIS:		
	MESH SIZE	% PASSING (+ or -2)
	40	100
	50	93
	70	80
	80	69
	120	49
	200	35
	325	2

REV 05-23