

MasterSeal®

Asphalt Based Pavement Sealer

FORMULATED
**TO PROTECT
& BEAUTIFY
ASPHALT
PAVEMENT**



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

2222 S. 10th Avenue
Tucson, AZ 85713
Phone: (520) 882-5559

www.sealmaster.net



1. PRODUCT NAME

MasterSeal Concentrate
Asphalt Based Pavement Sealer

2. MANUFACTURER

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

MasterSeal is high-performance, asphalt emulsion sealcoat formulated with high quality asphalts, select mineral fillers and aggregates. **MasterSeal** is environmentally friendly and safe, contains no solvents or cutbacks. **MasterSeal** dries to form a dark-black, durable and slip resistant coating that gives a like-new appearance and years of protection to asphalt pavements where performance, value and environmental concerns are critical.

4. SURFACE PREPARATION:

Prior to application, pavement must be free of embedded and loose dirt, dust, and foreign materials. If traditional cleaning methods are not effective, a power washer or tack coat of asphalt emulsion diluted 1:4 with water may be used. Pavement repairs should be made and cracks 1/4" and larger should be sealed with hot or cold crack sealants. All grease and oil spots should be treated with PrepSeal or PetroSeal.

5. APPLICATION GUIDELINES:

New asphalt pavements should not be sealed until it has cured for a minimum of 30 days. New slurry seals must be exposed to a full summer heat cycle before application of **MasterSeal**. Ambient and surface temperatures must be 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 raining or rain is forecast within 24 hours of application. Pavement surface should be misted with water during application in extremely hot temperatures

(90 degrees and above). Two coats are recommended. The first coat must be completely dry prior to applying the second coat. A third coat may be applied in heavy traffic areas. Allow the sealcoat to dry completely before resuming traffic. Drying times to resume traffic are determined by the contractor based on temperatures, humidity and other factors.

6. APPLICATION RATE:

The application rate of properly diluted **MasterSeal** is 60-75 square feet per coat or .12-.15 gallons per square yard, per coat. Coverage rates vary depending on pavement condition, traffic volume and other factors.

7. APPLICATION EQUIPMENT:

MasterSeal may be applied by hand spray/squeegee, mechanical spray tankers or squeegee machines. Application units should be equipped with mechanical agitators to maintain consistency of the mixed material during application.

8. MIX DESIGNS:

MasterSeal is manufactured as a concentrate with approximately 3 pounds of aggregate per gallon. Water must be added and mixed thoroughly at a rate of 20-30% of the concentrate depending on climate conditions. TopTuff liquid polymer additive may be post-added to **MasterSeal** at a recommended rate of 2% of the concentrate volume. Mix thoroughly to maintain homogenous consistency prior to and during application.

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.

MasterSeal Concentrate Specifications

TEST PROPERTIES	TEST METHOD	SPECIFICATION
EMULSION:		
Uniformity	ASTM D 2939.04	PASS
Weight/gallon @ 77 deg. F (diluted)	ASTM D 2939.07	10 lbs./gal.min (9.6)
Residue by Evaporation (diluted)	ASTM D 2939.08	48% min. (38%)
VOC Content by Volume, %	ASTM D 244-89	3% max.
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	5 max.
Wet Track Abrasion Test (6 day) gms/sqft. loss	ASTM D 3910	5 max
FINE AGGREGATE SIEVE ANALYSIS:		
	MESH SIZE	% PASSING (+ or -2)
	50	99
	70	97
	80	94
	120	86
	200	71
	325	47