

**1. PRODUCT NAME**

MasterSeal Road Sealing Specifications

**2. MANUFACTURER**

SealMaster  
 2520 S. Campbell St.  
 Sandusky, OH 44870  
 Phone: 800-395-7325  
 Fax: 419-626-5477  
 www.sealmaster.net

*Additional Plant Locations:* SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone us at 1-800-395-7325 or visit our website at www.sealmaster.net to find the location near you.

**3. PRODUCT DESCRIPTION & BENEFITS**

MasterSeal Concentrate is a clay-stabilized mineral filled asphalt emulsion pavement sealer designed to protect and beautify asphalt pavement. MasterSeal Concentrate is formulated to be job-mixed with water and aggregate.

*Basic Uses:* MasterSeal Concentrate is designed to beautify and protect asphalt pavement surfaces including roads, streets, parking lots, airports, driveways, shopping malls, roadways, and more.

*Composition:* MasterSeal Concentrate is a clay-stabilized asphalt emulsion pavement sealer fortified with special surfactants to promote superior adhesion and durability. Select aggregate is job-mixed to produce a slip-resistant coating.

*Sizes:* MasterSeal Concentrate is available in 4,000 gallon bulk tankers, 55-gallon drums, and 5-gallon pails.

*Color:* MasterSeal Concentrate dries to a deep, rich black color.

*Limitations:* MasterSeal Concentrate 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**

MasterSeal Concentrate meets the performance standards of ASTM D-2939.

*Environmental Considerations:* MasterSeal Concentrate does not contain asbestos. MasterSeal Concentrate is an environmentally friendly water based pavement sealer containing less than 150 grams per liter volatile organic content (VOC).

*Physical/Chemical Properties:* MasterSeal Concentrate is a premium quality pavement sealer that meets the following material requirements when tested in accordance with ASTM D 140, ASTM D 466, ASTM B117, ASTM D 529, ASTM D 2939, and ASTM D244 procedures. (see chart below)

**5. INSTALLATION**

**IMPORTANT:** MasterSeal shall not be applied on roads or streets with a grade (slope) greater than 7%.

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.

*Methods:* MasterSeal Concentrate 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.

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 %	47-53%	PASSES
- Ash Non Volatiles %	30 - 60	PASSES
- 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
Resistance to Heat	No Blistering or Sagging	PASSES
Flexibility	No Cracking or Flaking	PASSES
Resistance to Impact	No Chipping, Flaking or Cracking	PASSES

# MasterSeal™ Road Mix

## Road Sealing Specifications

### Mixing Procedures:

- For optimum results, MasterSeal Concentrate Pavement Sealer shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):

MasterSeal Concentrate.....100 gals.  
Water.....20-25 gals.  
Sand\*.....500 lbs.

\*(Contact your SealMaster Representative for sand specifications)

NOTE: A polymer additive such as TopTuff may be added to help suspend sand if needed. TopTuff is available from SealMaster.

**Application:** For optimum performance and durability apply two coats of properly mixed MasterSeal. A third coat of mixed MasterSeal may be applied to high traffic areas such as entrances, exits, and drive lanes.

**Application Rate of Mixed MasterSeal on Streets and Roads:** Apply properly mixed MasterSeal (MasterSeal, Water, and Sand) at a rate of .13 to .15 gallon per square yard (60-70 square feet per gallon) for a single coat application. If desired, a second coat of mixed MasterSeal may be applied for added durability.

**Estimating Material Requirements:** To estimate gallons of MasterSeal Concentrate required to cover a specific area, use the following coverage rate:

- One gallon of MasterSeal Concentrate will cover approximately 85-100 square feet (9.5 to 11 square yards) per coat when properly mixed and applied.

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

**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 MasterSeal

Concentrate. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

### 6. AVAILABILITY & COST

**Availability:** MasterSeal Concentrate 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 MasterSeal Concentrate applicator. Contact SealMaster for the MasterSeal Concentrate representative in your area.

### 7. WARRANTY

SealMaster Industries warrants that MasterSeal Concentrate 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 street 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.

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

### 10. FILING SYSTEMS

- Sweet's Catalog
- Sweet's CD
- Sweet's Online
- Sweet's Directory
- SealMaster Online Specification at [www.sealmaster.net](http://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-110RS

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