

## 1. PRODUCT NAME

SealMaster Coal Tar  
Concentrate Pavement  
Sealer

## 2. MANUFACTURER

SealMaster has a nationwide network of manufacturing and distribution facilities.

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

## 3. PRODUCT DESCRIPTION & BENEFITS

SealMaster Coal Tar Concentrate Pavement Sealer is a clay-stabilized, fuel-resistant coal tar emulsion pavement sealer designed to protect and beautify asphalt pavement. Coal Tar Concentrate is formulated to be job-mixed with water and aggregate.

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

**Composition:** SealMaster Coal Tar Concentrate is a clay-stabilized, fuel-resistant coal tar 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:** SealMaster Coal Tar Concentrate is available in 4,000 gallon bulk tankers, 55-gallon drums, and 5-gallon pails.

**Color:** SealMaster Coal Tar Concentrate dries to a deep, rich black color.

**Limitations:** SealMaster Coal Tar 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

SealMaster Coal Tar Concentrate meets the requirements of ASTM D 5727, RP 355e, ASTM D 490, FAA P627, FAA P628, FAA P630, and P631

specifications for coal tar pitch emulsion (CTPE) pavement sealer.

**Environmental Considerations:** SealMaster Coal Tar Concentrate does not contain asbestos. Coal Tar Concentrate is an environmentally friendly water based pavement sealer containing less than 50 grams per liter volatile organic content (VOC).

**Physical/Chemical Properties:** SealMaster Coal Tar 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 D 490, ASTM B117, ASTM D 529, ASTM D 2939, and ASTM D244 procedures. (see chart below)

## 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:** SealMaster Coal Tar 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% Minimum  | PASSES |
| - Ash Non Volatiles %                              | 30 - 40  | PASSES |
| - Solubility of Non Volatiles in CS <sub>2</sub> % | 20 Min.  | PASSES |
| - Specific Gravity 25°C                            | 1.20 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 |
| Resistance to Volatilization                       | 10% Loss in Weight Max.  | PASSES |
| Wet Film Continuity                                | Smooth, Nongranular Free from Coarse Particles   | PASSES |
| Resistance to Kerosene                             | No loss of adhesion or penetration   | PASSES |
| P-625 Fuel Resistance Test                         | Evaluation of Fuel Resistance  | PASSES |
| P-630 Fuel Resistance Test                         | Evaluation of Fuel Resistance  | PASSES |
| P-631 Fuel Resistance Test                         | Evaluation of Fuel Resistance  | PASSES |

# SealMaster® Coal Tar Concentrate Pavement Sealer

## Mixing Procedures:

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

Coal Tar Concentrate.....100 gals.  
Water.....30-40 gals.  
Sealer V.M. Polymer  
Additive.....1-2 gals.  
Sand\*.....300-500 lbs.  
\*(40-70 mesh AFS rating)

**IMPORTANT:** The above mix design is a typical recommendation. Alternative mix designs may be substituted to account for local pavement conditions and use of other pavement sealer additives. However, in all cases sand shall be used in the mix design.

**NOTE:** Sealer V.M. is manufactured by ThorWorks and is available from your local SealMaster facility.

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

**Application Rate of Mixed Coal Tar Sealer:** Apply properly mixed Coal Tar Sealer (Coal Tar Concentrate, Water, Sand, Additive) 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 SealMaster Coal Tar Concentrate required to cover a specific area use the following coverage rate:

- One gallon of SealMaster Coal Tar Concentrate will cover approximately 100-120 square feet (11.1 to 13.3 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 Coal Tar Concentrate. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

## 6. AVAILABILITY & COST

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

## 7. WARRANTY

SealMaster warrants that SealMaster Coal Tar 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 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.

**Professional Applicators:** Your local SealMaster Coal Tar 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.

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Pavement Products & Equipment