

## 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, ASTM D  
3320-74T, FAA P627, FAA P628, and

FAAP631 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 150 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 %	47-53%	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

SealMaster® Coal Tar Concentrate  
Pavement Sealer  
SMT - 100

SealMaster  
Revised: OCT 2007  
(Supersedes SMT-4 (6/99), SMT-100 (7/01), SMT 100 (10/01), SMT-100 (7/04))

PAVING AND SURFACING  
Pavement Sealer

# 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.

Form No.: SMT- 100

Revised: 5/05

Supersedes: SMT-100 (7/04), SMT-4 (6/99), SMT-100 (7/01), SMT-100 (10/01)

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Phone: 1-800-395-7325

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**SealMaster®**  
  
Pavement Products & Equipment