

# SS-1H ASPHALT BINDER

*SealMaster/Hawaii*

**SMT-230HI**

REVISED 01/03/07

## PRODUCT DESCRIPTION & BENEFITS

SS-1H Asphalt Binder is an anionic asphalt emulsion designed for use as a tack coat for patching, paving, and coating processes. SS-1H Asphalt Binder promotes adhesion of bituminous concrete products and coatings. SS-1H Asphalt Binder also meets the ISSA requirements for SS-1H.

## USES

SS-1H Asphalt Binder is designed as an adhesion promoter for patching, paving, and coatings.

## COMPOSITION

SS-1H Asphalt Binder is comprised of asphalt, water, emulsifiers, and surfactants.

## SIZES

Available in bulk, 55-gallon drums, and 5-gallon pails.

## COLOR

Dries Black.

## LIMITATIONS

SS-1H Asphalt Binder shall not be applied when temperature is expected to drop below 60°F within a 24 hour period after application.

## TECHNICAL DATA

SS-1H Asphalt Binder meets the chemical composition and performance requirements of ASTM D977 and AASHTO M140, and the ISSA requirements for SS-1H.

## ENVIRONMENTAL CONSIDERATIONS

SS-1H Asphalt Binder is an environmentally friendly water-based asphalt emulsion containing less than 150 grams per liter volatile organic content (VOC).

## PHYSICAL/CHEMICAL PROPERTIES:

SS-1H Asphalt Binder meets the following specifications when tested in accordance with ASTM D140 and ASTM D244 test procedures (see chart below).

Method	Test	Specs Min/Max	Result
T-59/D-244	Viscosity, SFS @ 77°F. s	20 / 100	23
T-59/D-244	Storage Stability, 24-h, %	... / 1.0	0.03
T-59/D-244	Cement Mixing, %	... / 2.0	0.9
T-59/D-244	Sieve, %	... / 0.10	0.03
T-59/D-244	Residue by Distillation, %	57 / ...	60.0
Tests On Residue From Distillation Test:			
T-49/D-5	Penetration, 77°F	40 / 90	56
T-5/D-113	Ductility, 77°F	40 / ...	89
T-44/D-2042	Solubility, %	97.5 / ...	99.5

## INSTALLATION

Surface must be cleaned of dust, dirt and debris.

## METHODS

SS-1H Asphalt Binder can be applied by spray, brush, or squeegee.

## MIXING PROCEDURES

**PRIMER FOR COATINGS:** For use as a primer for coatings (such as asphalt, coal tar, or acrylic pavement sealers) dilute SS-1H Asphalt Binder with water as follows (based on 10 gallons for ease of calculation):

SS-1H Asphalt Binder . . . . . 10 gals.  
Water . . . . . 80 gals.

**NOTE: DO NOT USE SS-1H Asphalt Binder at full strength as a primer for coatings. It must be diluted with water in accordance with above mixing instructions.**

**FOR USE AS A TACK COAT FOR PATCHING OR PAVING:**

SS-1H Asphalt Binder . . . . . 10 gals.  
Water . . . . . 10 gals.

## APPLICATION

Apply properly mixed SS-1H Asphalt Binder (Asphalt Binder, Water) with spray equipment, brush, or squeegee. Stir material thoroughly before applying.

**IMPORTANT:** Apply coatings, patching materials, or paving materials as soon as possible after SS-1H Asphalt Binder dries (within 24 hours) in order to maintain tackifying properties.

## APPLICATION RATE FOR DILUTED ASPHALT BINDER:

**FOR USE AS A PRIMER FOR COATINGS:**  
Apply properly diluted SS-1H Asphalt Binder (1 part SS-1H Asphalt Binder, 8 parts water) at a rate of .07 - .10 gallon per square yard (90-130 square feet per gallon).

**FOR USE AS A TACK COAT FOR PATCHING OR PAVING:**  
Apply properly diluted SS-1H Asphalt Binder (1 part SS-1H Asphalt Binder, 1 part water) at a rate of .07 - .10 gallon of mix per square yard (90-130 square feet per gallon of mix).

## ESTIMATING MATERIAL REQUIREMENTS

To estimate gallons of SS-1H Asphalt Binder required to cover a specific area, use the following coverage rates:

**FOR USE AS A PRIMER FOR COATINGS:**  
One gallon of SS-1H Asphalt Binder will cover approximately 800-1,170 square feet (89-130 square yards) when diluted properly (1 part SS-1H Asphalt Binder, 8 parts water).

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**FOR USE AS A TACK COAT FOR PATCHING OR PAVING:**

One gallon of SS-1H Asphalt Binder will cover approximately 180-260 square feet (20-29 square yards) when diluted properly (1 part SS-1H Asphalt Binder, 1 part water).

NOTE: Coverage Rates may vary due to pavement age and porosity.

**PRECAUTIONS**

Both surface and ambient temperature shall be a minimum of 60°F. Temperature shall not drop below 60°F within a 24 hour period following application. Keep Out Of Reach Of Children. Do not store unopened containers in freezing temperatures.

**PACKAGING AND AVAILABILITY**

SS-1H Asphalt Binder is supported by a nationwide network of SealMaster manufacturing facilities along with a national network of professional applicators.

**WARRANTY AND DISCLAIMER**

The statements made on this technical data 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.

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