



## Technical Data

# Tack Coat Asphalt Emulsion Type SS-1h

REV 7/24

### PRODUCT DESCRIPTION & BENEFITS:

SS-1 Tack Coat is an anionic asphalt emulsion designed for use as a tack coat for patching, paving, and coating processes. SS-1 Tack Coat promotes adhesion of bituminous concrete products and coatings. SS-1 Tack Coat also meets the ISSA requirements for SS1H.

### USES:

SS-1 Tack Coat is designed as an adhesion promoter for patching, paving, and coatings.

### COMPOSITION:

SS-1 Tack Coat is comprised of asphalt, water, emulsifiers, and surfactants.

### SIZES:

5-gallon pails

### COLOR:

Dries Black.

### LIMITATIONS:

SS-1 Tack Coat shall not be applied when temperature is expected to drop below 50°F within a 24 hour period after application.

### TECHNICAL DATA:

SS-1 Tack Coat meets the chemical composition and performance requirements of ASTM D977 and AASHTO M140, and the ISSA requirements for SS1h.

### ENVIRONMENTAL CONSIDERATIONS:

SS-1 Tack Coat is an environmentally friendly water based asphalt emulsion containing less than 25 grams per liter volatile organic content (VOC).

### PHYSICAL/CHEMICAL PROPERTIES:

Chemical & Physical Analysis	
<b>Tests on Emulsion:</b>	
Viscosity, Saybolt Furol at 77°F (25°C), s	36
Storage Stability Test, 24-h, %	1
Cement Mixing Test, %	< 2 %
Sieve Test, %	0.013
Residue by distillation, %	65% ± 2%
<b>Test on Residue:</b>	
Penetration, 77°F (25°C) 100g, 5s	55

Ductility, 77°F (25°C) 5 cm/min, cm	40 min
Solubility in trichloreethylene, %	> 97.5

### MIXING PROCEDURES:

**Primer For Coatings:** For use as a primer for coatings (such as asphalt, coal tar, or acrylic pavement sealers) dilute SS-1 Tack Coat with water as follows (based on 10 gallons for ease of calculation):

SS-1 Tack Coat.....10 gals.  
Water.....80 gals.

**NOTE - DO NOT USE SS-1 Tack Coat 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-1 Tack Coat.....10 gals.  
Water.....10 gals.

### APPLICATION:

Apply properly mixed SS-1 Tack Coat (SS-1 Tack Coat, 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-1 Tack Coat dries (within 24 hours) in order to maintain tackifying properties.

### APPLICATION RATE FOR DILUTED SS-1 TACK COAT:

**For Use As A Primer For Coatings:** Apply properly diluted SS-1 Tack Coat (1 part SS-1 Tack Coat, 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-1 Tack Coat (1 part SS-1 Tack Coat, 1 part water) at a rate of .07 - .10 gallon of mix per square yard (90-130 square feet per gallon of mix).

### ESTIMATED MATERIAL REQUIREMENTS:

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



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**For Use As A Primer For Coatings:** One gallon of SS-1 Tack Coat will cover approximately 800-1,170 square feet (89-130 square yards) when diluted properly (1 part SS-1 Tack Coat, 8 parts water).

**For Use As A Tack Coat For Patching Or Paving:** One gallon of SS-1 Tack Coat will cover approximately 180-260 square feet (20-29 square yards) when diluted properly (1 part SS-1 Tack Coat, 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 50°F. Temperature shall not drop below 50°F in a 24 hour period following application. Keep Out Of Reach Of Children. Do not store unopened containers in freezing temperatures.

### MANUFACTURING & CUSTOMER SERVICE:

Visit [gemsealproducts.com](http://gemsealproducts.com) or phone 866-264-8273 to find the location near you.

### LIMITED WARRANTY

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.