

1. PRODUCT NAME
 Asphalt Binder

2. MANUFACTURER
 ThorWorks Industries, Inc.
 2520 S. Campbell St.
 Sandusky, OH 44870
 Phone: 800-326-1994
 Fax: 419-626-5477
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Additional Plant Locations:
 SealMaster has a nationwide network of manufacturing and distribution facilities.

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

3. PRODUCT DESCRIPTION & BENEFITS
 Asphalt Binder is an anionic asphalt emulsion designed for use as a tack coat for patching, paving, and coating processes. Asphalt Binder promotes adhesion of bituminous concrete products and coatings. Asphalt Binder also meets the ISSA requirements for SS1h.

Basic Uses: Asphalt Binder is designed as an adhesion promoter for patching, paving, and coatings.

Composition: 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: Asphalt Binder shall not be applied when temperature is expected to drop below 50°F within a 24 hour period after application.

4. TECHNICAL DATA
 Asphalt Binder meets the chemical composition and performance requirements of ASTM D977 and AASHTO M140, and the ISSA requirements for SS1h.

Environmental Considerations: Asphalt Binder is an environmentally friendly water based asphalt

emulsion containing less than 150 grams per liter volatile organic content (VOC).

Physical/Chemical Properties: Asphalt Binder meets the following specifications when tested in accordance with ASTM D140 and ASTM D244 test procedures (see chart below).

5. INSTALLATION
 Surface must be cleaned of dust, dirt and debris.

Methods: 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 Asphalt Binder with water as follows (based on 10 gallons for ease of calculation):
 Asphalt Binder.....10 gals.
 Water.....80 gals.

NOTE - DO NOT USE 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:*
 Asphalt Binder.....10 gals.
 Water.....10 gals.

Application: Apply properly mixed 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 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 Asphalt Binder (1 part 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 Asphalt Binder (1 part 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 Asphalt Binder required to cover a specific area, use the following coverage rates:

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

Chemical & Physical Analysis

Tests On Emulsion:

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%

Test On Residue:

Penetration, 77°F (25°C) 100g, 5s	55
Ductility, 77°F (25°C) 5 cm/min, cm	40 min
Solubility in trichloreethylene, %	> 97.5

Asphalt Binder

- *For Use As A Tack Coat For Patching Or Paving:*

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

6. AVAILABILITY & COST

Availability: Asphalt Binder is supported by a national network of SealMaster facilities along with a national network of professional applicators.

Cost: Cost information can be obtained from a local applicator. Contact SealMaster for the representative in your area.

7. WARRANTY

SealMaster warrants that Asphalt Binder 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. TECHNICAL SERVICES

Manufacturer: Complete product specifications, material safety data sheets, and technical assistance is available from SealMaster.

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

9. FILING SYSTEMS

- SealMaster Online Specifications at www.sealmaster.net
- Complete SealMaster Product and Equipment Catalog Available
- Sweet's Catalog
- Sweet's CD
- Sweet's Online
- Sweet's Directory

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-230

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