

1. PRODUCT NAME

AsPen Concentrate
Surface Sealer

2. MANUFACTURER

SealMaster has a nationwide network of manufacturing and distribution facilities.

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

3. PRODUCT DESCRIPTION & BENEFITS

AsPen Concentrate is a clay-stabilized, mineral filled asphalt emulsion surface sealer designed to replenish the binder lost through oxidation, weathering, and aging. AsPen's deep, rich black color gives old, oxidized pavement a "like-new" surface that melts snow and ice faster, and reduces cleaning and maintenance costs.

Basic Uses: AsPen Concentrate is ideal for sealing, and waterproofing all asphalt pavements including, but not limited to the following: secondary roads, highway shoulders, roadways, airports runways and taxiways, private streets, and more.

Composition: AsPen Concentrate is a clay-stabilized asphalt emulsion surface sealer fortified with special surfactants to promote superior absorption into the pavement surface.

Sizes: AsPen Concentrate is available in 4,000 gallon bulk tankers, 55-gallon drums, and 5-gallon pails.

Color: AsPen Concentrate dries to a deep, rich black color.

Limitations: AsPen 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

ASTM Test Methods:

- D-140 Sampling of Bituminous Materials
- D-466 Methods of Testing Film Deposits from Bituminous Emulsions
- B-117 Salt Spray (FOG) Testing
- D-529 Recommended Practice

for Accelerated Weathering Test Of Bituminous Materials

- D-2939 Bituminous-Base Emulsions for use as Protective Coatings

Environmental Considerations:

AsPen Concentrate does not contain asbestos. AsPen AC Concentrate is an environmentally friendly water based pavement sealer containing less than 15 grams per liter volatile organic content (VOC).

Physical/Chemical Properties:

AsPen Concentrate is a clay-stabilized asphalt emulsion surface sealer that meets the following material requirements when tested in accordance with ASTM D 140, ASTM D 466, ASTM B 117, ASTM D 529, ASTM D 2939, and ASTM D 244 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.

Methods: AsPen Concentrate may be applied with standard bituminous distributors or other sealcoating equipment. Small spray tips (similar to those used for fog sealing) should be used. Application equipment should be capable

of recirculating or agitating the product to maintain homogeneous consistency of AsPen AC mixture throughout the application process. Hand squeegees and brushes are acceptable for use in areas where practicality prohibits the use of mechanized equipment.

Mixing Procedures:

- For optimum results AsPen Concentrate shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):
AsPen Concentrate.....100 gallons
Water.....50 gallons

Application: AsPen is designed to be applied with standard sealcoat spray equipment. At the ideal application rate, the applied material should completely soak into the pavement without leaving puddles of excess material. AsPen is a single coat process.

Application Rate of Mixed AsPen :

Apply properly mixed AsPen (AsPen Concentrate and Water) at a rate of .12 to .18 gallons per square yard (50 to 75 square feet per gallon) per coat.

Estimating Material Requirements:

To estimate gallons of AsPen Concentrate required to cover a specific area, use the following coverage rate:

- One gallon of AsPen Concentrate will cover approximately 75 to 115 square feet (8.33 to 12.77 square yards) per coat when properly mixed and applied.

TEST	SPECIFICATION	PASSES
Material	Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring	Passes
Chem. & Physical Analysis		
- Non Volatile %	44-48% Min.	Passes
- Ash Non Volatiles %	28-32%	Passes
- Specific Gravity 25°C	1.13 Minimum	Passes
Drying Time	30 Min to 1 Hr. (under ideal conditions)	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

Note: Application rates may vary somewhat 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 AsPen AC Concentrate. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

6. AVAILABILITY & COST

Availability: AsPen AC Concentrate is supported by a nationwide network of SealMaster manufacturing facilities along with a national network of qualified applicators.

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

7. WARRANTY

SealMaster warrants that AsPen AC 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 pavement sweeping 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 AsPen AC 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
- 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 multicoat applications if material made by other manufacturers is used with this product.

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