

1. PRODUCT NAME

AsPen RT Surface Sealer

2. MANUFACTURER

SealMaster has a nationwide network of manufacturing and distribution facilities.

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3. PRODUCT DESCRIPTION & BENEFITS

AsPen RT is a clay-stabilized, mineral filled coal tar emulsion designed to replenish the binder lost through oxidation, weathering, and aging. AsPen RT provides additional resistance to gasoline oils and chemicals. 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 RT 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 RT is a clay-stabilized coal tar emulsion fortified with special surfactants to promote superior absorption into the pavement surface.

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

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

Limitations: AsPen RT 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
- D-490 Standard Specifications for Road Tar

- 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 RT does not contain asbestos. AsPen RT is an environmentally friendly water based pavement sealer containing less than 50 grams per liter volatile organic content (VOC).

Physical/Chemical Properties:

AsPen RT is a clay-stabilized coal tar emulsion surface sealer that meets the following material requirements when tested in accordance with ASTM D 140, ASTM D 466, ASTM D 490, 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 RT 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 RT 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 RT shall be mixed in accordance with the following mix design (based on 100 gallons for ease of calculation):

AsPen RT100 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 : At the ideal application rate, the applied material should completely soak into the pavement without leaving puddles of excess material. AsPen RT is a single coat process.

Estimating Material Requirements:

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

- One gallon of AsPen RT 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
Solubility of Non Volatiles in CS2 %	20% Min.	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