

**SEALER V.M.**  
*Pavement Sealer Additive*

**SMT-181**

REVISED 5/03/15

**PRODUCT DESCRIPTION & BENEFITS**

Sealer V.M. is synthetic rubber copolymer latex additive designed to enhance the fuel resistance, toughness, and sand suspension properties of coal tar pitch emulsion (CTPE) pavement sealer. Sealer V.M. meets FAA P625, FAA P627, FAA P631, and ASTM D 4866 specifications for latex additives.

**USES**

Sealer V.M. is designed to enhance the performance of coal tar pitch emulsion (CTPE) pavement sealer.

**COMPOSITION**

Sealer V.M. is a synthetic rubber copolymer latex emulsion.

**SIZES**

Sealer V.M. is available in 55 gallon drums and 5 gallon pails.

**COLOR**

Pavement sealer fortified with Sealer V.M. dries blacker.

**LIMITATIONS**

SealMaster pavement sealers fortified with Sealer V.M. shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period after application.

**TECHNICAL DATA**

Sealer V.M. meets the performance requirements of FAA P625, FAAP627, FAA P631, and ASTM D4866 specifications for latex additives used in coal tar pitch emulsion (CTPE) Pavement sealer.

**ENVIRONMENTAL CONSIDERATIONS**

Sealer V.M. is an environmentally friendly water based latex emulsion containing less than 150 grams per liter volatile organic content (VOC).

**PHYSICAL/CHEMICAL PROPERTIES**

Sealer V.M. meets the following material requirements when tested in accordance with ASTM D 4758 and ASTM D 2939. (see chart below)

Ash Non Volatiles %	.10 - .12%	PASSES
Specific Gravity 25°C	Approx. 1.0	PASSES
Flexibility	No Cracking or Flaking	PASSES
Resistance to Impact	No Chipping, Flaking or Cracking	PASSES
Wet Film Continuity	Smooth, Nongranular Free From Coarse Particles	PASSES

**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**

SealMaster pavement sealers fortified with Sealer V.M. shall be applied by either pressurized spray application equipment or self-propelled squeegee equipment. Pressurized spray equipment shall be capable of spraying pavement sealer with sand added. Equipment shall have continuous agitation or mixing capabilities to maintain homogeneous consistency of pavement sealer mixture throughout the application process. Self-propelled squeegee equipment shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of sealer into bituminous pavement. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.

**MIXING PROCEDURE**

With mixing tank agitator turning, add proper amount of water to pavement sealer concentrate. Following the addition of water, add 2% Sealer V.M. based upon pavement sealer concentrate (2 gallons of Sealer V.M. per 100 gallons of pavement sealer concentrate). When mix begins to thicken, add sand slowly. Agitate thoroughly before and slowly during sealer application. Dilute Sealer V.M. 1:1 with water before adding to sealer mix to reduce polymer shock and promote uniform dispersion. Higher levels of Sealer V.M. may be added to comply with FAA P625, P631, and P627 specifications.

**APPLICATION**

For optimum performance and durability apply 2 coats of properly mixed SealMaster pavement sealer fortified with Sealer V.M. A third coat may be applied to high traffic areas such as entrances, exits, and drive lanes.

**APPLICATION RATE**

Apply mixed pavement sealer fortified with Sealer V.M. at a rate of .11 to .13 gallon per square yard (70 - 82 square feet per gallon) per coat.

ASTM	TEST DESCRIPTION	RESULT
Material	Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring.	PASSES
<b>Chemical &amp; Physical Analysis</b>		
Classification	Acrylonitrile-Butadiene	PASSES
Non Volatiles %	40% Min.	PASSES

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NOTE: Application rates may vary somewhat due to pavement age and porosity.

**ESTIMATING MATERIAL REQUIREMENTS**

A minimum of 2 gallons of Sealer V.M. for every 100 gallons of SealMaster Coal Tar Sealer concentrate.

**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 SealMaster pavement sealer fortified with Sealer V.M. KEEP OUT OF REACH OF CHILDREN. Do not store unopened drums or pails in freezing temperatures.

**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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