

PAVEGEL

Pavement Sealer Additive

SMT-184

REVISED 12/05/17

PRODUCT DESCRIPTION & BENEFITS

PaveGel 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 and asphalt based pavement sealers. PaveGel meets FAA P625, FAA P627, FAA P631, and ASTM D 4866 specifications for latex additives.

USES

PaveGel is designed to enhance the performance of coal tar pitch emulsion (CTPE) pavement sealer and asphalt based pavement sealers.

COMPOSITION

PaveGel is a synthetic rubber copolymer latex emulsion.

SIZES

PaveGel is available in 55 gallon drums and 5 gallon pails.

COLOR

Pavement sealer fortified with PaveGel dries blacker.

LIMITATIONS

SealMaster pavement sealers fortified with PaveGel 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

PaveGel meets the performance requirements of FAA P625, FAA P627, FAA P631, and ASTM D4866 specifications for latex additives used in coal tar pitch emulsion (CTPE) Pavement sealer and asphalt based pavement sealers.

ENVIRONMENTAL CONSIDERATIONS

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

PHYSICAL/CHEMICAL PROPERTIES

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

Table 1		
ASTM	Test Description	Result
Material	Material shall be homogenous and show no separation or coagulation that cannot be overcome by moderate stirring.	PASSES
Chem. & Physical Analysis		
Classification	Acrylonitrile-Butadiene	PASSES

Non Volatiles %	40% Min.	PASSES
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 PaveGel 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% PaveGel based upon pavement sealer concentrate (2 gallons of PaveGel per 100 gallons of pavement sealer concentrate). When mix begins to thicken, add sand slowly. Agitate thoroughly before and slowly during sealer application. Dilute PaveGel 1:1 with water before adding to sealer mix to reduce polymer shock and promote uniform dispersion. Higher levels of PaveGel 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 PaveGel. 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 PaveGel at a rate of .11 to .13 gallon per square yard (70 - 82 square feet per gallon) per coat.

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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 PaveGel for every 100 gallons of SealMaster Coal Tar or asphalt based 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 PaveGel.

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.



Phone: 1-800-395-7325

www.sealmaster.net