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# VelveTop™

## P R O D U C T S

### Specifications: VelveTop™ Pavement Sealer

#### INTRODUCTION

Coal-Tar emulsions have historically been used as sealants for asphalt pavements to protect them against water, petroleum derivatives, and weather. Since the mid – 1960's the use of mineral aggregates with sealer has become more and more popular as a method of repairing minor surface imperfections while at the same time increasing durability and skid resistance. The performance of aggregate/pavement sealer mixtures has also been enhanced with the used of polymeric admixtures.

#### GENERAL DESCRIPTION

VelveTop™ pavement sealer is a superior rubberized coal tar pavement sealer for protecting bituminous pavements. In undiluted state VelveTop™ Pavement Sealer meets or exceeds ASTM 5727-00.

#### SPECIFICATIONS: ASTM 5727-00

(replaces GSA Federal certification RP-355E)

##### Material

VelveTop™ shall be homogenous and show no separation or coagulation of components that cannot be overcome by moderate stirring. It shall be capable of application and complete coverage, by squeegee, brush, or by approved mechanical methods, to the surface of bituminous pavements at a total combined spreading rate of 1.5 to 2.5 gallons per 100 square feet in two coats.

The emulsion shall be prepared from straight run high temperature coke-oven tar conforming to requirements of ASTM D490. Petroleum tar and oil and water gas tars shall not be used even though they comply with ASTM D490.

#### Chemical and physical requirements

VelveTop™ shall conform to the following requirements for compliance with ASTM 5727-00

	Maximum	Minimum
Water, percent	53	--
Nonvolatile, percent	--	47
Ash of nonvolatiles, percent	40	30
Specific gravity @ 25° Celsius		1.20

#### Drying Time

The coating shall exhibit firm set in not more than eight hours.

#### Adhesion and resistance to kerosene

The cured coating shall exhibit no penetration or loss of adhesion. Kerosene shall be defined as material complying with ASTM D3699.

#### Adhesion and resistance to water

The cured coating shall exhibit no blistering, loss of adhesion, or tendency to re-emulsify.

#### Resistance to heat

The cured coating shall show no sign of blistering, sagging, or slipping when heated to 80 degrees Celsius (176 degrees Fahrenheit) for two hours.

#### Flexibility

The coating shall show no flaking, cracking, or loss of adhesion to the metal.

**Resistance to impact**

The coating shall exhibit no chipping, flaking, cracking or loss of adhesion extending more than inch beyond the periphery of the area of impact.

**Resistance to volatilization**

Resistance to volatilization shall be determined in accordance with ASTM D 3320, except the loss in weight shall not exceed 10 percent.

**Wet film continuity**

Emulsion, when wet, shall be uniformly smooth, nongranular consistency free from coarse particles.

**ENVIRONMENTAL**

Velvetop is considered non hazardous when tested according to the EPA's TCLP (Toxicity Characteristic Leaching Procedure) Velvetop is a water based material containing less than 50 g/l 0.42 lbs/gal) VOC content.

**References**

ASTM 5727-00, Coal Tar Emulsion Coating.

ASTM Specification D-3320, Standard Specification for Emulsified Coal Tar Pitch (Mineral Colloid Type)

ASTM Specification D-490, Standard Specification for Road Tar.

ASTM Specification D-3423, Standard Practice for Application of Emulsified Coal Tar Pitch.

ASTM Specification D-2939, Standard Methods of Testing Emulsified Bitumens Used as Protective Coatings.

**Shipping Size & Weight**

5 Gal. Pail 52 lbs.

55 Gal. Drum 572 lbs.

Bulk Tanker 10.2 lbs per gal.

**CAUTION**

Coal tar sealer is slippery prior to drying... exercise caution during application.

Do not apply VelveTop™ sealer when good weather is in doubt, or when the temperature is expected to drop lower than 50 before sealer is dry.

**SAFETY WARNING**

VelveTop™ Super Pavement Sealer contains, coal tar, a skin irritant. Avoid prolonged breathing of vapor or spray mist. Keep away from eyes or mouth. If substance gets in your eyes, flush with water immediately. If taken internally induce vomiting. Consult physician immediately.

Keep container tightly sealed when not in use and out of reach of children. Clean all tools with water immediately after used.

**WARRANTY**

The buyer assumes all risks pertaining to the handling, storage and use of this product, whether or not it is used in accordance with directions and specifications. VelveTop™ makes no warranty to merchantability, fitness for particular uses, nor any warranty, expressed or implied.

**KEEP FROM FREEZING**