

LOOPMASTER

Loop Filler

SMT-219

REVISED 03/14/16

PRODUCT DESCRIPTION

LoopMaster Pourable Loop Filler is a one component rubberized cold-applied asphalt emulsion loop filler designed for filling inductive loops up to 1/2" wide in pavement surfaces. Pourable Loop Filler provides a protective barrier against moisture intrusion into inductive loops. Pourable Loop Filler is both economical and easy to use.

USES

LoopMaster is designed to fill loop saw cuts in asphalt or concrete pavement.

COMPOSITION

LoopMaster is a polymer-modified asphalt emulsion loop sealant fortified with select mineral fillers.

SIZES

LoopMaster is available in 1-gallon, 5-gallon, and 55-gallon containers.

COLOR

Dries black.

LIMITATIONS

LoopMaster Pourable Loop Filler shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period after application.

ENVIRONMENTAL CONSIDERATIONS

LoopMaster is a non-hazardous environmentally friendly water-based crack sealant containing less than 50 grams per liter volatile organic content (VOC).

Physical Properties of LoopMaster		
ASTM	Test Description	Result
D5	Penetration of Bituminous Materials-Base Asphalt	60-130 Pen
D6937	Density of Emulsified Asphalt	1,000 -1300 g/l
D6930	Settlement and Storage Stability of Emulsified Asphalts	20% max./24 hr.
D113	Ductility of Bituminous Materials-Base Asphalt	5-15 cm
E70	PH of Aqueous Solutions with Glass Electrodes	6-10 PH
D6378	Vapor Pressure (VPX), mm Hg @ 25° C (77° F)	22-26 mm Hg
D36	Softening Point of Emulsion Residue (Ring and Ball Apparatus)	> 200° F
D93	Flash Point of Liquid Emulsion	None detected
D562	Viscosity using a Stormer-Type Viscometer	60-110 KU
D522	Mandrel Bend Test of Attached Material	No Cracking
D870	Water Resistance of Material using Water Immersion	No Delamination
D6904	Resistance to Wind-Driven Rain	No Delamination

D4585	Water Resistance of Material Using Controlled Condensation	No Delamination
D1735	Water Resistance of Material Using Water Fog Apparatus	No Delamination
D2247	Water Resistance of Material in 100% Relative Humidity	No Delamination
D4541	Adhesion Strength over Asphalt Pavement	> 200 PSI
D2939-5	Uniformity of Emulsified Bituminous Material	PASS
D2939-8	Residue by Evaporation, %	60% min.
D2939-14	Resistance to Heat- No Blistering, sagging or slipping	PASS
D2939-15	Resistance to water- No softening, delamination or re-emulsification	PASS
D2939-16	Flexibility- No Cracking or Delamination	PASS
D2939-26	Resistance to Impact- No Chipping, Cracking or Delamination	PASS
D2939-27	Resistance to Impact After Accelerated Weathering	PASS
D3359	Measuring Adhesion by Tape- No More than a Trace of Peeling	PASS
SCAQMD Method 304	Determination of Volatile Organic Compounds (VOC) in various Material	< 50 g/l
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D5329	Asphalt Compatibility	PASS
C679	Tack-Free Time, hr. (4 hrs. max.)	<4 hrs.
D2523	Elongation, %	>2.0
CT 434	Slant-Shear Strength to Concrete, PSI, min.	>150
D471	Chemical Resistance to De-Icers, motor oil, sodium chloride solution (5%), hydraulic brake fluid	NO EFFECT
AASHTO M140-70	Standard Spec for Emulsified Asphalt	PASS
D977-73	Standard Spec for Emulsified Asphalt	PASS
D244	Standard Spec for Emulsified Asphalt	PASS

ESTIMATING MATERIAL REQUIREMENTS

Coverage rate is dependant upon depth and width of saw cuts.

SAW CUT PREPARATIONS

Saw cuts must be clean and free from loose material, dust, and dirt.

MIXING PROCEDURES

Stir material thoroughly. LoopMaster is a ready-to-use material. Do not dilute.

APPLICATION PROCEDURES

Pour Loop Filler into saw-cut and squeegee flush to adjoining pavement. Allow material to dry before opening to traffic.

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CLEAN UP

Wash tools in water. Use TarBuster™ or MasterFlo™ if the material has dried.

PRECAUTIONS

Both surface and ambient temperature shall be a minimum of 50° F. Temperature shall not drop below 50°F within a 24 hour period following application. Keep out of reach of children. Do not store unopened containers in freezing temperatures.

PACKAGING AND AVAILABILITY

LoopMaster is available in 1-gallon jugs, 5-gallon pails, and 55-gallon drums. LoopMaster is supported by a national network of SealMaster manufacturing facilities along with a national network of qualified applicators.

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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