

ACRYLIC CRACK SEALANT

SMT-202

REVISED 08/01/18

PRODUCT DESCRIPTION

Acrylic Crack Sealant is a 100% acrylic elastomeric fuel resistant crack sealant designed for sealing cracks in asphalt pavement. It provides a protective barrier against moisture intrusion into pavement surfaces. Acrylic Crack Sealant features excellent fuel resistance. Acrylic Crack Sealant is both economical and easy to use.

USES

Acrylic Crack Sealant is designed for filling cracks up to 1" wide in asphalt pavement.

COMPOSITION

Acrylic Crack Sealant is a 100% acrylic elastomeric crack sealant fortified with select mineral fillers.

SIZES

Acrylic Crack Sealant is available in one-gallon pails.

COLOR

Dries dark gray to black.

LIMITATIONS

Acrylic Crack Sealant shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period immediately following application.

ENVIRONMENTAL CONSIDERATIONS

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

Physical Properties of Acrylic Crack Sealant

ASTM	Test Description	Result
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)	> 250° 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
D2939-7	Weight per Gallon	8-10 lbs./gal
D2939-13	Drying Time- 50% humidity, 73.4 ± 3.6°F. Firm in 24 hrs.,	PASS
D2939-26	Resistance to Impact- No Chipping, Cracking or Delamination	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
D2939-27	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
D5329	Asphalt Compatibility	PASS
C679	Tack-Free Time, hr. (4 hrs. max.)	<4 hrs.
D2523	Elongation, %	>200%
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
ASTM D2792-17	Solvent & Fuel Resistance	PASS
P-625 Fuel Resistance Test	Evaluation of Fuel Resistance	PASS
P-630 Fuel Resistance Test	Evaluation of Fuel Resistance	PASS
P-631 Fuel Resistance Test	Evaluation of Fuel Resistance	PASS

INSTALLATION

Cracks must be cleaned of all dirt, debris, and vegetation prior to application of crack sealant.

METHODS

Apply crack sealant with putty knife, trowel, mechanical pump system, or other suitable method.

MIXING PROCEDURES

Acrylic Crack Sealant is a ready-to-use product. Do not dilute.

APPLICATION PROCEDURES

Fill cracks completely with crack sealant. Smooth flush to adjoining pavement with putty knife, trowel or squeegee . Allow material to dry before opening to traffic.

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ESTIMATING MATERIAL REQUIREMENTS

Coverage is dependent upon depth and width of cracks. Typically, one gallon of Acrylic Crack Sealant will fill approximately 75 feet of 1/2" wide by 1/2" deep cracks.

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.

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.