

TRUFLEX

Rubberized Crack Sealant

SMT-222

REVISED 03/14/17

PRODUCT DESCRIPTION

TruFlex is a highly rubberized crack sealant designed for sealing cracks in asphalt or concrete pavements. TruFlex can also be mixed with sand for filling larger cracks and alligatored areas.

USES

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

COMPOSITION

TruFlex Rubberized Crack Sealant is a highly elastomeric, one component, polymer-modified asphalt emulsion crack sealant. Select mineral fillers are added for cohesive strength.

SIZES

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

COLOR

Dries black.

LIMITATIONS

TruFlex Rubberized Crack Sealant 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

TruFlex Rubberized Crack Sealant is a non-hazardous environmentally friendly water-based crack sealant containing less than 25 grams per liter volatile organic content (VOC).

Physical Properties of TruFlex		
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
D2939-7	Weight per Gallon	9-11 lbs./gal
D2939-13	Drying Time- 50% humidity, 73.4 ± 3.6°F. Firm in 24 hrs.,	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

Approximately 75-150 linear feet of ½" by ½" crack per gallon.

CRACK PREPARATIONS

Clean all vegetation, dirt, and loose debris from crack. Fill deep cracks with sand or backer rod to within ¾" from pavement surface.

MIXING PROCEDURES

Stir material thoroughly before using. Sand may be added (up to 10 lbs. of sand per 1 gallon of TruFlex) when filling larger cracks and alligatored areas.

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Fill crack completely with TruFlex Rubberized Crack Sealant. A squeegee may be used to spread sealant flush to adjoining pavement surface. Material should skin over sufficiently to accept traffic within 6 to 8 hours.

CLEAN UP

Wash tools in water before material dries.

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

TruFlex Rubberized Crack Sealant is available in 1-gallon jugs, 5-gallon pails, and 55-gallon drums. TruFlex 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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