



CRACK-FLEX[®] PRO

CRACK-FLEX[®] PRO is a hot applied joint and crack sealing compound formulated with selected asphaltic resins, synthetic polymeric rubber, plasticizers, stabilizers, and a blend of organic reinforcing fillers. This economical material is a one-part sealant that provides excellent results. GemSeal **CRACK-FLEX PRO** is designed specifically for today's asphalt and concrete pavements.

Specifications

ASTM D 3405
 ASTM D 6690 Types 2 & 3
 AASHTO M 301
 AASHTO M 324 Types 2 & 3

Exceeds
 ASTM D 1190
 ASTM D 6690 Type 1
 AASHTO M 173
 AASHTO M 324 Type 1

Fed. Spec.
 SS-S-164
 SS-S-1401C
 FAA
 P605

TYPICAL PROPERTIES:

Safe Heating Temperature		410 F Max.
Application Temperature		370-390 F
Heating Time		12 Hours Max.
Penetration	77 F	90 dmm Max.
Resiliency	77 F	60 % Min.
Flow	140 F	3 mm Max.
Bond	-20 F / 50 % Extension	3 Cycles Passed
Bond	0 F / 100 % Extension	3 Cycles Passed
Softening Point		176 F Min.
Viscosity	375 F	50 Poise Max.
Specific Gravity		1.19 Approximately
Asphalt Compatibility		Pass
Flash Point		400 F Min.

APPLICATIONS:

GemSeal[®] **CRACK-FLEX PRO** is recommended for sealing of joints and cracks in asphaltic and concrete pavements. It is designed for use in sealing expansion and contraction joints as well as random cracks.

SURFACE PREPARATION: To facilitate proper adhesion, the joint or crack should be dry and clear of any dirt, dust or other contaminants. Substrate and ambient temperatures must be 40°F or above. Proper sizing of the joint will cause the maximum extension/compression to not exceed 50% of the width. Joints or random cracks of 1/4" or less are difficult to properly clean prior to applying the sealant.

EQUIPMENT:

Use an agitated oil-jacketed unit that has separate temperature gauges for both the sealant and the heat transfer fluid. Take the 35 lb. plastic bag of sealant and load into the kettle one at a time. Melt only enough material for the day's activities. Once melted, additional material can be added as needed. Material can be safely reheated within the sealant's service life.

NOTE: Prolonged heating of the sealant above the maximum safe heating temperature may cause it to gel in the kettle.

SERVICE LIFE:

The service life (pot-life) at application temperatures is approximately 12 hours. Adding fresh material to the melter as sealant is being used will extend the service life.

Material that has been overheated can thicken and gel in the melter. Any material that has exceeded the service life should be removed from the melter and discarded.



Crack-Flex® Pro

CAUTION:

This product is heated to high temperatures during application. Skin contact with heated material can cause severe burns. Wear protective clothing, safety glasses and gloves always while using this product.

CRACK-FLEX PRO

is packaged in a 30 lb. polybag inside a high strength corrugated box. Each pallet contains 75 boxes or 2,250 pounds

Coverage

Width	Depth	Pounds per Linear Ft.
3/8"	3/8"	7.2
3/8"	1/2"	9.6
1/2"	1/2"	12.8
1/2"	1"	25.7
3/4"	1/2"	19.3
3/4"	3/4"	28.9

MANUFACTURING & CUSTOMER SERVICE:

Call (866) 264-8273 to find the nearest GemSeal location to purchase Crack-Flex Pro.

GemSeal Pavement Products warrants that for a period of one (1) year from date of purchase this product shall be free from manufacturing defects and shall meet or exceed performance standards listed in the technical data sheet for the product at the time of sale, if used as directed and within the stated shelf life. This Limited Warranty applies only if the product is stored, used, and applied over a properly prepared substrate in strict accordance with applicable specifications and instructions issued by GemSeal Pavement Products. The Limited Warranty will not apply if the product is altered, modified, or misused after it has left the control of GemSeal Pavement Products. GemSeal Pavement Products will not be responsible for defects caused by factors beyond its control, including but not limited to workmanship, application equipment, weather, acts of God, structural failure, condition or movement of substrate, improper additives, poor drainage, ponded water, improper maintenance, damage from snow removal equipment, and normal wear and tear. GemSeal Pavement Products does not warrant that the product or any method of use or application would be suitable for any site conditions. All warranty claims must be submitted in writing, with proof of purchase, to the following address: 3700 Arco Corporate Drive, Suite 425, Charlotte, NC 28273. Unused portions of product must be returned upon request. Replacement of defective product or, at GemSeal Pavement Products' option, refund of the purchase price of defective product shall be the buyer's sole remedy under this Limited Warranty. In no event shall GemSeal Pavement Products be liable for any damages in excess of the purchase price of the defective product. This Limited Warranty does not cover labor costs for product application, replacement, or repair. GEMSEAL PAVEMENT PRODUCTS SHALL IN NO EVENT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOST SALES OR PROFITS, BUSINESS INTERRUPTION, DELAYS, PHYSICAL DAMAGE TO OTHER MATERIALS OR PROPERTY, OR LOSS OF USE OF PROPERTY. THIS LIMITED WARRANTY IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. GEMSEAL PAVEMENT PRODUCTS EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No modification or extension of this Limited Warranty shall be valid unless given in writing and signed by an authorized officer of GemSeal Pavement Products. Sales personnel and product distributors are not authorized to modify or extend this Limited Warranty.

GemSeal Pavement Products Corporate Headquarters:
3700 Arco Corporate Drive, Suite 425 Charlotte, NC 28273

www.gemsealproducts.com