



CRACK-FLEX® PRO

DESCRIPTION: GemSeal CRACK-FLEX® PRO is a hot applied joint and crack sealant formulated with selected asphaltic resins, synthetic polymeric rubber, plasticizers, stabilizers, and a blend of organic and inorganic 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.

- FEATURES:**
- Economical quality joint and crack sealant for asphaltic pavements.
 - Cost effective preventative maintenance treatment.
 - Seals cracks and joints from water penetration.
 - Formulated for city streets and highways.
 - Prolongs service life.

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.

TYPICAL PROPERTIES:

Safe Heating Temp		410 F Max
Application Temp		370-390 F
Heating Time		12 Hrs 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
Specific Gravity		1.19 Approx.
Asphalt Compatibility		Pass
Flash Point		400 F Min

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 sealants service life.

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

SPECIFICATION STANDARDS:
 GemSeal® CRACK-FLEX PRO meets the following standards:
 ASTM D 3405
 ASTM D 6690 Types 2 & 3
 AASHTO M 301
 AASHTO M 324 Types 2 & 3

Exceeds	Fed. Spec.
ASTM D 1190	SS-S-164
ASTM D 6690 Type 1	SS-S-1401C
AASHTO M 173	FAA P605
AASHTO M 324 Type 1	

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.

COVERAGE RATE:

Width	Depth	Pounds/100 lineal feet
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



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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 at all times while using this product.

PACKAGING:

CRACK-FLEX PRO is packaged in a 35 lb. polybag inside a high strength corrugated box. Each pallet contains 60 boxes or 2,100 pounds.

MANUFACTURING & CUSTOMER SERVICE:

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

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

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 particular 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.

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