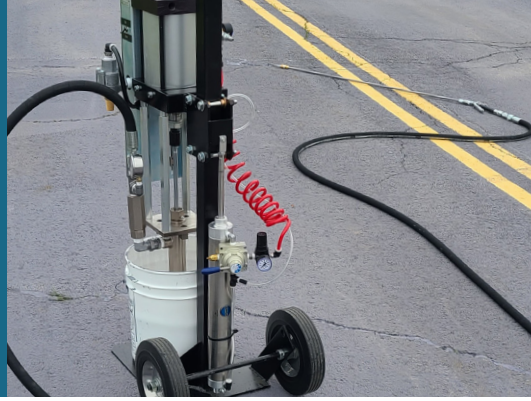
GAF RoadPerformance™
Cold-Applied Crack Repair



Basic Uses:

For sealing of typical traffic-bearing asphalt surfaces including local roadways and parking deck/garage control joints.

Product Description

GAF RoadPerformance™ Cold-Applied Crack Repair is a one-part, high-flexibility/ultra-low modulus elastomer designed for sealing joints in local roadways and parking structures. It has excellent unprimed adhesion to asphalt substrates; great weather resistance; and remains flexible at extremely low temperatures. GAF RoadPerformance™ Cold-Applied Crack Repair is a self-levelling product designed for applications on flat surfaces.

Advantages:

- Can help reduce pavement deterioration by restricting surface water penetration through cracks into underlying base and sub base layers
- Convenient one-component, neutral moisture-curing system
- Ultra-low modulus results in high movement capability
- Ease of application with standard automated bulk dispensing equipment
- Low VOC
- Primerless adhesion to concrete and asphalt
- Aids in prevention of noncompressables entering expansion joints

Limitations:

DO NOT USE GAF RoadPerformance™ Cold-Applied Crack Repair:

- For continuous water immersion conditions.
- When installation temperatures are below 40°F or above 120°F.
- Flush with traffic surface (i.e., sealant should always be recessed below surface).
- For applications requiring support of hydrostatic pressures.
- With solvents for dilution purposes.
- With concrete that is cured less than seven (7) days.
- With newly applied asphalt until cooled to ambient temperature (usually 24 – 48 hours).
- As a structural component or in longitudinal joints greater than 3/4" in width that are intended to be used as a constant travelling surface.
- On surfaces with a slope greater than 5%.

Packaging

- 5 gal. Pail (4.5 gal. of material)
- 55 gal. Drum (50 gal. of material)

Color:

Dark Slate, Graphite

Joint Design:

Sealant depth should be ¼" – ½" and joint width should be ¼" – 1". Ideally, the ratio of joint width to sealant depth should be 2:1, when appropriate.

Applicable Standards:

Complies with ASTM C920, Class 100, Type S, Grade SL, Use T2, M, O, ASTM D5893-10 Type SL and other legacy standards such as TT-S-00230C and TT-S001543.

Warranty:

GAF Materials LLC ("GAF") warrants that the product contained in this container will not come loose from the sidewall of the asphalt due to a manufacturing defect for 1 year following application to an acceptable substrate, provided that the product is installed during the shelf life indicated on the label and in accordance with published application instructions. During the applicable warranty term only, GAF will provide replacement product for that portion of the product that comes loose from the sidewall of the asphalt as a result of a manufacturing defect or, at its sole option, the cash value of such replacement product. GAF's MAXIMUM LIABILITY is the original cost of the product only. There are no other product warranties, express or implied, including any implied warranties of merchantability or fitness for a particular use. GAF is not liable for any consequential or incidental damages of any kind, including but not limited to interior or exterior damages. Other exclusions may apply. See *GAF Road Performance™ Cold-Applied Crack Repair 1-Year Limited Warranty* at gaf.com for complete coverage and restrictions.

Visit **gaf.com**

For additional information, contact GAF Design Services at **1-877-423-7663** or **designservices@gaf.com**

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Sealant Coverage Chart Recess Guidelines

Joint Width (in.)	Sealant Depth (in.)	Recess (in.)	Backer Rod Diameter (in.)	Minimum Joint Depth (in.)
1/4	1/4	1/8	3/8	3/4
3/8	1/4	1/8	1/2	7/8
1/2	1/4	1/8	5/8	1 1/4
3/4	3/8	1/4	7/8	1 1/4
1	1/2	1/4	1 1/4	2

Since GAF RoadPerformance™ Cold-Applied Crack Repair is applied to varied substrates under diverse environmental conditions and construction situations, it is recommended that substrate testing be conducted prior to application.

Typical Uncured Properties

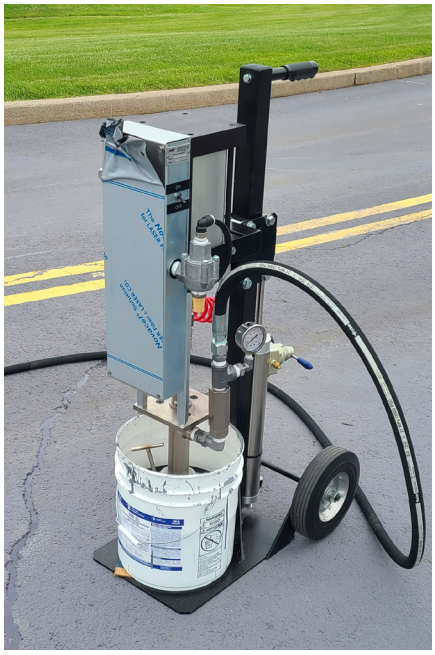
Test Property	Value	Test Procedure
Cure Through (days)	7	0.5" cross section
Extrusion Rate (grams/min)	275-550	Mil-S-8802
Rheological Properties	Self levelling	—
Tack Free Time (mins)	60	ASTM C679
VOC Content (g/L)	40	ASTM D3960

Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.

Typical Cured Properties (After 7 days cure at 77°F (25°C), 50% RH)

Test Property		Value	Test Procedure
Adhesion @ 600% Elong. (psi)	Asphalt	24	ASTM D5893/D5329*
	Concrete	24	
	Metal	24	
Elongation (%)		>1400	ASTM D412
Resilience (%)		>95	ASTM D5329
Stress @ 150% Elongation (psi)		14	ASTM D412
Hardness	21-day cure (Shore 00)	65	ASTM C661
			Supplier
Joint Movement Capability	+100/-50%; 10 cycles	Pass	ASTM C719

* Modified from ASTM D5329 since the substrate is neither concrete nor asphalt.



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Installation:

Installation is a two-step process, leveraging the unique properties of GAF RoadPerformance™ EFA Seal and GAF RoadPerformance™ Cold-Applied Crack Repair for excellent bonding and durability.

Surface Preparation:

Prior to the EFA Seal application, cracks must be thoroughly cleaned to remove contaminants such as dust, laitance, grease, oils, curing compounds, water repellents, and foreign particles. This is critical to ensure optimal adhesion. Restoration work requires saw cutting and/or sandblasting of the crack, followed by blowing out the crack with moisture- and oil-free compressed air.

Coat the prepared crack surface with EFA Seal to help create a foundational bond with GAF RoadPerformance™ Cold-Applied Crack Repair.

Application:

Following the EFA Seal application, apply GAF RoadPerformance™ Cold-Applied Crack Repair directly into the cracks to create a strong, durable bond with the pre-applied EFA Seal. For deeper cracks, install adequate back support prior to application of the Cold-Applied Crack Repair.

Joint Backing:

Use closed cell polyethylene backer rod or dry sand to control sealant depth and cushion repair from impact.

- If using closed cell polyethylene, use a size that will compress 25% when inserted into the joint.
- When using dry sand, use a leaf blower to control depth and remove excess.

To prevent contact with tires, recess the crack sealer during installation. For effective crack filling, the filler's thickness should be approximately one-half to one times its width (please refer to Sealant Coverage Chart Recess Guidelines for detailed recommendations).

Application:

Ideal installation temperature range is 60°F – 85°F. Apply sealant to the prepared joint in a continuous operation, recessing sealant below the traffic surface.

Dry Skin Time:

Approximately 30 minutes at 77°F (25°C) at 50% relative humidity. Higher temperatures and/or humidity will shorten this time period.

Cleaning:

Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. Use mineral spirits for equipment cleanup as well. Consult manufacturer's SDS for handling and safety precautions.

Shelf Life:

Approximately one (1) year when stored in original, unopened container in a dry area at temperatures below 80°F.

Precautions:

Use with adequate ventilation or wear an appropriate NIOSH-approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Safety Data Sheet (SDS) for more information.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.

Maintenance:

Once installed and cured, GAF RoadPerformance™ Cold-Applied Crack Repair should require no proactive maintenance. If damage to sealant occurs, cut out the affected area, clean with vacuum or compressed air and recaulk.

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