FastPatch® Alligator Crack Repair Kit

Cold applied, easy to mix asphalt repair.
Cures at colder temps. vs. traditional materials.
100% solids polymer composite.
No water or solvents.

WHERE TO USE

Alligator cracking
Potholes

FEATURES & BENEFITS

Easy to Apply

Doesn't freeze. Apply as low as 35°F (2°C).
No thickness limit. Easily pour 2 in. (5 cm) depth per layer.

Open to Traffic Fast

100% reactive ingredient mix. No water or solvents.



Packaging

0.5 ft^3 (15L) Kit

Color

Black

Shelf Life

1 year when properly stored

Storage

Store and ship in dry, low humidity, shaded or covered 50-90°F (10-32°C) environment.

Safety

Before handling, familiarize yourself with the SDS regarding risks and safe use of this product. Call 800-333-9826 or email msds@wilvaco.com to obtain an SDS.

Application

For instructions for how to handle and apply, refer to: FastPatch Alligator Crack Repair Kit. For details on substrate preparation and examples of cracking patterns, refer to: FastPatch Alligator Crack Repair Kit Guidelines.

TYPICAL PROPERTIES

Adhesion to asphalt, ASTM D7234 unprimed | **500 psi (3.45 MPa)***
**100% asphalt failure mode, adhesion limited by substrate quality*

VOC, ASTM D2369 | **0 lbs/gal (0 g/L)**

Abrasion, ASTM D4060, 1kg H-18 | **0.2 g loss per 1,000 cycles**

Service Temperature | **-40 to 140°F (-40 to 60°C)**

Kit Temp.	40°F (4°C)	77°F (25°C)	104°F (40°C)
Working Time, minutes	18-20	10-12	4-5
Tack Free Time, minutes	90	40	15

ESTIMATED COVERAGE

	Repair Area	Repair depth	Cracking Pattern	Kits used	Volume
A.	10 ft^2	0.5-0.75 in. (1-2 cm)	high	1	0.5 ft^3 (19 L)
B.	115 ft^2	<0.5 in. (<1.3 cm)	medium	3	1.5 ft^3 (42 L)

A.



B.



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Made in USA

For field reports, references, and product information
FastPatchSystems.com

FastPatch®

Alligator Crack Installation Guidelines

IMPORTANT NOTE

Alligator cracking in asphalt pavement is a sign of a sub-base failure. Repairing alligator cracks provides a protective layer over the crack to help prevent further cracking and keeping water from entering the cracks. The longevity of the repair is based on your level of preparation and severity of the sub-base damage. A professional solution for alligator cracks, typically involves saw cutting and removal of the entire cracked area, inspection of the sub-base, and a repair solution based on the available budget, up to and including soil stabilization/repair, and new hot-mix asphalt at full depth for the entire area.

ASPHALT PREPARATION

1. Asphalt must be structurally sound, clean, and the surface should be dry. Use a propane torch if necessary to completely dry all cracks.
2. Clean surfaces by grinding, abrasive blasting, wire brushing, pressurized air, or other appropriate method.

Note: Wet cracks (pictured right) must be dried prior to installation. Use propane torch or other appropriate method.



APPLICATION

1. FastPatch Alligator Repair Kit kits are designed to be applied as provided. Adding additional materials to or misapplying the kits will result in non-typical physical properties.
2. Whenever possible, condition all FastPatch Alligator Repair Kit components (resin pail and iso pouch) to 70°F (21°C) before application.
3. At ambient temperatures ≤ 40°F (5°C), FastPatch Alligator Repair Kit components may be conditioned to 100°F (38°C) to aid in cure speed.
4. Kits are designed for single use. **DO NOT SUBDIVIDE.**
5. Use 'eggbeater' style mixer with a drill capable of ≥400 RPM. WVCO recommends using a corded drill.
6. Tear open and add "Part A ISO" pouch to the "Part B Resin" pail. Mix for 2 minutes, scrape the sides of the pail and continue to mix for 1 additional minute.
7. After kit is uniformly mixed, pour FastPatch Alligator Repair Kit onto the installation area. If temperatures are below 60ºF (15ºC), allow the mixed kit to stand for up to 5 minutes before
8. Spread the FastPatch Alligator Repair over the area using a squeegee or trowel. On a grade, use a screed board to maintain an even level.

FOR LOW CRACK PATTERNS

9. Topping sand may be applied to match the surrounding substrate and provide a slip resistant finish. Apply topping sand after material has started to gel. To test for suitable sanding time, sprinkle a handful onto the surface. If ≥ 50% of the sand sinks into the material, wait a few minutes and try again; otherwise proceed with sanding to refusal.

FOR MEDIUM AND HIGH CRACK PATTERNS

Do not apply topping sand to 1st layer
Allow applied material to cure for 20-30 minutes at 70ºF (21ºC) or 40-60 minutes at 50ºF (10ºC).
Apply 2nd layer of FastPatch Alligator Crack Repair (Steps 1-8)
Apply topping sand as stated in step 9.

Disclaimer of Warranty
Test results are to be considered as representative of current production and should not be treated as specifications. while all the information presented in this document is believed to be reliable and to represent the best available data on these products, no guarantee, warranty, or representation is made, intended, or implied as to the correctness or sufficiency of any information, or as to the suitability of any chemical compounds for any particular use, or that any chemical compounds or use thereof are not subject to a claim by a third party for infringement of any patent or other intellectual property right. Each user should conduct a sufficient investigation to establish the suitability of any product for its intended use. Proper application is the responsilbity of the user. as with any product the use of the this product in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitibility. Testing is the requirement of both engineers and contractors alike. WVCO does not warrant the application under any or all circumstances.

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