

1. PRODUCT NAME

Rapid Patch® Hairline Crack Repair

2. MANUFACTURER

TCC Materials®

2025 Centre Pointe Blvd.

Mendota Heights, MN 55120 USA

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3. PRODUCT DESCRIPTION

Rapid Patch Hairline Crack Repair is a two-component, low-viscosity, 100% solids, urethane repair product designed for filling cracks in structural materials including concrete and bricks, for the purpose of bonding and sealing them. Product goes on black and dries gray. Designed for filling narrow cracks with maximum width of ¼ in. (6 mm) to a maximum depth of 6 in. (150 mm).

Features and Benefits

- Low-viscosity—flows well into hairline cracks
- Moisture tolerant and blocks moisture
- Fits standard caulking tube
- No mess – self mixing
- Wide temperature application range between 20°F to 90°F (–6°F to 32°C)

When/where to Use

- Horizontal repairs
- Interior and exterior
- Stops air and water leaks
- Repairs foundation cracks

4. TECHNICAL DATA

Typical Values • Rapid Patch Hairline Crack Repair	
Color	Gray
Solids (%)	100
Compressive strength (ASTM D695)	> 5,000 psi (34.5 MPa)

Available sizes

8.6 fl. oz. (BOM #114530)

Coverage

Each 8.6 oz. tube yields approximately 15–16 cu. in. (245–262 cm³)

5. INSTALLATION

Preparation

Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application.

- Always remove all loose and unsound materials. Thoroughly clean all surfaces of dirt, dust, grease, or other contaminants which could

interfere with bonding. Surfaces should be as smooth as possible before installation.

- **Concrete surfaces should be dry and cured a minimum of 21–28 days from date of placement.** Surface and ambient temperature must be 20°F (–6°C) or above.
- Product has a low viscosity and will penetrate into the cracks, the base of cracks or underside of slabs may need to be sealed prior to application. For best results, taping on each side of a crack will give finished repair a cleaner appearance.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Mixing

- Shake the cartridge vigorously for 20 seconds, then stand upright for 60 seconds allowing any bubbles to rise to the top.
- Before using, condition material to 65°F–85°F (18°–29°C). Use cartridge in standard caulking gun.
- Unscrew and remove both protective cap and plug from the cartridge. Insert the flow restrictor, attach the static nozzle mixer and tighten nut. Load cartridge into standard caulking gun.
- Dispense a bead of urethane until the color is uniform. The first two or three dispenses are used to remove air and ensure the correct mixing ratio, this material must be discarded. The cartridge is now ready to use.

Application

- As a gravity-fed crack filler, create a vee-notched crack and slowly inject the urethane into the crack, filling the crack completely.
- Disperse with deliberate slow and even pressure to allow proper blending of the resin and hardener in the static mixing nozzle. This material will be very fluid, dispersion that is too fast or with too much pressure can cause an uneven mix that may not properly harden.
- As a crack injection, set appropriate injection ports, then seal ports and surface of crack with Hairline Crack Repair. When the urethane seal has cured, slowly and steadily inject Hairline Crack Repair into injection ports.
- When the work is interrupted, the static mixer can remain on the cartridge after the gun pressure has been relieved. Work quickly, once material hardens in the nozzle, a new nozzle must be used. Cartridge should remain upright to reduce the risk of material draining from the nozzle. first two or three dispenses are used to remove air and ensure the correct mixing ratio, this material must be discarded. The cartridge is now ready to use.

Curing

Hairline Crack Repair has a working time of 5 minutes at 75°F (23°C) and will cure within 1 hour. At temperatures below 75°F (23°C) this product will take proportionately longer time to cure. At temperatures above 75°F (23°C) it will take a proportionately shorter time to cure.

Cleanup

Hairline Crack Repair should be wiped clean before it cures. Once cured, urethane crack repair can only be mechanically removed. Avoid getting urethane on skin.

Limitations

- For professional use only
- Follow all industry standard safety procedures when handling, such as chemical resistant gloves, eye and skin protection.
- Subject to discoloration upon exposure to UV light.
- Not for use in cracks subject to hydrostatic pressure.
- Maximum crack width is ¼ in. (6 mm).
- Maximum crack depth is 6 in. (150 mm).
- Do not add solvents or fillers to change viscosity of the product.
- Per NTSB Safety Recommendations, the use of adhesive anchors is prohibited in sustained overhead load anchoring applications.
- Always test a small amount to ensure that the product is mixed thoroughly and that the material will harden properly before proceeding.
- Surface and ambient temperature must be 20°F (-6°C) or above.
- For applications with constant high temperature (above 90°F/32°C), contact TCC Materials.
- Do not expose stored product to cold or freezing temperature (below 35°F/ 2°C) for any length of time.

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com or contact TCC Materials® at 651-686-9116 (7:30 AM to 4:00 PM M-F, Central US Time).

CAUTIONS

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Rapid Patch® products

6. AVAILABILITY

To locate TCC Materials® products in your area, please contact:

Phone: 1.651.688.9116
Email: info@tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

8. MAINTENANCE

Not applicable.

9. TECHNICAL SERVICES

Technical Assistance:

Information is available by calling TCC Materials® (hours 7:30 AM to 4:00 PM CST):

Phone: 1.651.688.9116
Email: info@tccmaterials.com
Web: tccmaterials.com

To acquire technical and safety literature, please visit our website at: tccmaterials.com.

10. FILING SYSTEM

Division 3

¹ TCC Materials® products can contribute to LEED® credits within the Material Resource, (Recycled Content & Regional Materials) and Indoor Environmental Quality (Low Emitting Materials).

Shelf Life	Best when used within 12 months in original, unopened container.
Storage Conditions	Store dry, cool (35°F-95°F/2°C-35°C), out of direct sunlight.
Color	Gray
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	



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