



Manufactured by:
Eclectic Products, Inc.
 Pineville, LA 71360

Made in the USA
 800.767.4667 - Technical Services
www.eclecticproducts.com

TECHNICAL DATA SHEET

FAMOCRETE™
Instant Concrete Repair

PRODUCT DESCRIPTION

FAMOCRETE Instant Concrete Repair is a two-component polyurethane resin system that is less than 1% VOC and contains no solvents. It's designed for permanent repair of broken or spalled concrete. The product can be applied onto flat, sloped and/or vertical surfaces without running, dripping or shrinking, and can be troweled for precise coverage to match the original surface. **FAMOCRETE Instant Concrete Repair** is easy to apply and is supplied in a ready-to-use universal cartridge that will fit into a standard size caulking gun. The two components combine through a static mix tube for effective mixing with minimal waste. **FAMOCRETE Instant Concrete Repair** is 100% solids and cures quickly, forming a strong bond to concrete.

INDUSTRIES & APPLICATIONS

Driveways	Spalled, Pitted Areas
Sidewalks & Curbs	Loading Docks
Basement & Warehouse Floors	Pillars
Walls & Ceilings	Parking Lots

PRODUCT CHARACTERISTICS & BENEFITS

Available Sizes	6.1 fl. oz. / 180 mL cartridge
Substrates	Concrete products.
Non-Structural Use	Material will not impact structural rating or certification of any concrete repair.
Concrete Adhesion	500 psi (3.4 MPa), ASTM D 4541 - 100% substrate.
Non-Sag	Yes. Mixed resin can be applied on vertical and sloped surfaces without running or dripping.
Non-Shrinking	Yes
Application Temperature	Optimal temperature range is 65–85 °F (18–29 °C). Product may be applied at temperatures outside of this range (35–100 °F / 2–38 °C); however, working time and tack free time may be shorter or longer.
Working Time	Material can be troweled for up to 3 minutes at optimal application temperatures between 65–85 °F (18–29 °C). When a clean finish is desired and sanding is not possible, it is recommended to protect adjacent surfaces with painter's tape. Remove tape as soon as possible after applying FAMOCRETE Instant Concrete Repair.
Set Time	Approximately 5 minutes.
Full Cure Time	24 hours after application. Note: Polyurethanes cure faster at warmer temperatures and slower at cooler temperatures. Large repairs cure faster than small repairs.
Curing Process	Curing process produces heat. Polyurethane reaction is exothermic. Dispensed material can become hot during application and curing, especially when applied in large volumes.
Permanent	Yes
Waterproof	Yes
Finishing	Yes, after 1 hour. Sandable, Machinable, and Paintable.

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PRODUCT CHARACTERISTICS & BENEFITS (continued)

Yield	180 mL = 14.4 linear ft at 1/4" (4.32m at 6.3mm)
Viscosity	16,000 cps, ASTM D 4878

PROPERTIES OF UNCURED MATERIAL

Vehicle Type	Resin system consists of two liquid components.
Color	Gray
Density	Part A - Resin Side = 8.5 - 8.8 lb./ga. (1.02-1.03 gm/ml) Part B - Hardener (Isocyanate) Side = 10.3 lb./ga. (1.23 gm/ml)
Mix Ratio	2:1 by volume (2 volumes Part A to 1 volume Part B)
Solids	100% solids; No solvents.
VOC (Resin)	Less than 1%
VOC (Iso)	0%; Iso has no VOC.
Storage	Store in dry area between 50 °F / 10 °C and 80 °F / 27 °C. Keep away from moisture.
Freeze/Thaw Stability	Stable
Shelf Life	2 years unopened (from date of manufacturing)

PROPERTIES OF CURED MATERIAL

UV Resistance	Polyurethane is not sensitive to UV degradation; however, certain colors may change slightly.
Heat Resistance	Cured resin has very good heat resistance (250 °F / 121 °C)
Hardness	Shore A/D 92-50, ASTM D 2240 (after 24 hour cure at room temperature)
Anchoring	ASTM E 488 – Independent Laboratory Standard Test Method for Strength of Anchors in Concrete, ASTM E 488, using FICR show that in ALL Tested Anchors resulted in Concrete Failure with the concrete block breaking internally around the specimen.

SAFETY PRECAUTIONS AND SUPPLIES NEEDED

- Use safety eyeglasses, gloves, and a drop cloth when using the FAMOCRETE Instant Concrete Repair system.
- **CAUTION!** Curing process produces heat. Polyurethane reaction is exothermic. Dispensed material can become hot during application and curing, especially when applied in large volumes. KEEP AWAY FROM CHILDREN.
- When sanding is not possible, it is recommended to protect adjacent surfaces with painter's tape. Remove tape as soon as possible after applying FAMOCRETE Instant Concrete Repair.
- Read Material Safety Data Sheets carefully. To request an MSDS, please send an email to msds@eclecticproducts.com or call 800-333-9826 (Willamette Valley Company Safety & Compliance).

PRODUCT AND APPLICATION NOTES

- Set time is approximately 5 minutes at optimal temperature range between 65–85 °F (18–29 °C). Product may be applied at temperatures outside of this range (35–100 °F / 2–38 °C), however, working time and tack free time may be shorter or longer. Service temperature is -40–180 °F (-40–82 °C).
- Keep the cartridge in the upright position while filling the mix tube. This will eliminate air from the system.
- The resin and the hardener are uniformly dispensed from a cartridge system and mixed through a mixing tube using a standard size caulking gun. Quality of caulking gun will aid in ease of use.
- Coverage: 6.1 fl oz / 180 mL cartridge yields 14.4 linear ft at 1/4" (4.32m at 6.3mm).
- The dispensed material allows the user to trowel and shape it as the concrete surfaces require.
- The mixed resin can be applied to flat, sloped and/or vertical surfaces without running, dripping or shrinking.
- If working with a vertical application, apply FAMOCRETE Instant Concrete Repair from bottom to top.

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PRODUCT AND APPLICATION NOTES (continued)

- Always keep moisture away from uncured polyurethane components and make sure surface is clean and dry. A wet surface will cause the material to foam.
- Additional product information is available from Technical Service at 800-7467-4667.

Cleaning & Maintenance:

- Acetone or other solvents can be used to assist with cleanup on tools and working area.
- Unused material can be saved for later use by removing the mix tube and replacing the nose plug cap and retaining nut, or by keeping the used mix tube intact and storing cartridge in an upright position.



#1 Hold cartridge upright.



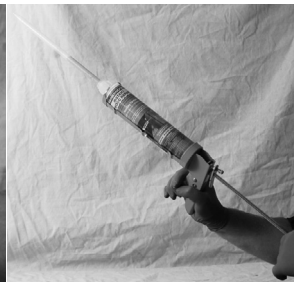
#2 Unscrew retaining nut and remove plug.



#3 Hold cartridge upright and screw on mix tube.



#4 Hold gun upright and place cartridge into it.



#5 Point gun upright, depress trigger to slowly fill mix tube.



#6 Discard first 4-5 inches.

OPERATING INSTRUCTIONS

1. **IMPORTANT- PLEASE READ ALL INSTRUCTIONS BEFORE USE. IF PRODUCT IS NOT APPLIED PROPERLY, PRODUCT MAY NOT CURE PROPERLY. Please also read Safety Precautions and Application Notes before using FAMOCRETE Instant Concrete Repair.**
2. Concrete surface should be clean, dry, and free from oil and grease before the area is filled. A wet surface will cause the material to foam.
3. Hold the cartridge upright away from body to prevent liquid material from escaping during assembly. Unscrew the retaining nut from the top of the cartridge and remove the plug. (#1 & #2)
4. HOLDING THE CARTRIDGE UPRIGHT, screw on mix tube. Make sure the mix tube assembly is fully secured to prevent leaking. (#3)
5. WHILE HOLDING THE CARTRIDGE UPRIGHT, place cartridge into caulking gun and push plunger rod forward to be engaged with cartridge. (#4)
6. WHILE HOLDING CAULKING GUN UPRIGHT, depress the trigger to slowly fill mix tube. (#5)
7. **FILL THE ENTIRE MIXING TUBE WITH FAMOCRETE INSTANT CONCRETE REPAIR WHILE POINTING THE MIX TUBE UPWARD.**
8. Be sure to properly discard the first 4-5 inches of dispensed material into a waste container to ensure the polyurethane components are mixed in the same ratio. This will result in consistency in the final product properties. Properly mixed material will be a creamy gray substance. Improper mix ratio will result in lumps, bubbles or failure to cure. (#6)

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OPERATING INSTRUCTIONS (continued)

9. **DO NOT STOP DISPENSING FOR MORE THAN 2 MINUTES AS THE MATERIAL MAY CURE IN MIX TUBE.** If material begins to cure in mix tube, it is critical to stop flow by depressing release lever and pulling plunger rod back to start position and repeat Steps #4-9.
10. When a clean finish is desired and sanding is not possible, it is recommended to protect adjacent surfaces with painter's tape. Material can be troweled for approximately 5 minutes at optimal application temperatures between 65–85 °F (18–29 °C). Troweling after the product has gelled, may result in some of the material pulling out of repair. Remove tape as soon as possible after applying FAMOCRETE Instant Concrete Repair.
NOTE: Polyurethanes cure faster at warmer temperatures and slower at cooler temperatures. Cure speed will also be impacted by the thickness of application, or size of the defect being repaired. A large repair will cure faster than a small repair. Substrate temperature also affects cure time.
11. To help prevent the material from dispensing during the troweling step, depress release lever and set to the side with the mix tube angled upward.
12. Material can be machined, sanded, planed, and painted within 1 hour after application at 70 °F (20 °C). Ambient air temperature impacts working properties.
NOTE: The caulk gun will only move half-way down the cartridge tube, and at that point the cartridge has been completely dispensed.

PRODUCT SUPPORT

ECLECTIC PRODUCTS, INC.

Technical questions
800-767-4667
eclecticproducts.com

MSDS REQUEST

800-333-9826

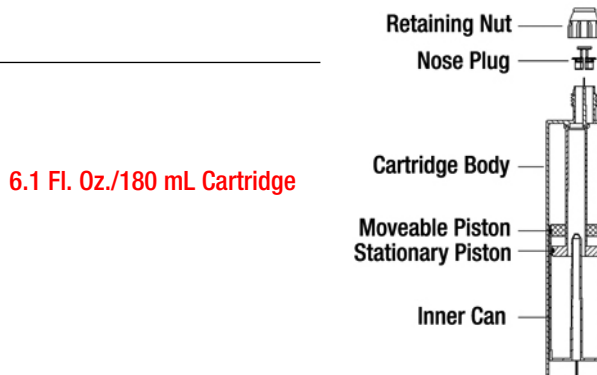
HAZARDS

This product is supplied to the customer in a ready to use form. It is best applied using metering equipment for large projects or industrial applications. Care should be taken to avoid any contamination with foreign matter including moisture. In case the material is spilled or released, consult MSDS of both components for proper cleaning and handling. To request an MSDS, please send an e-mail to msds@eclecticproducts.com or call 800.333.9826.

FOR CHEMICAL EMERGENCY CALL INFOTRAC — 1.800.535.5053
24 hours a day, 7 days a week

LIMITED WARRANTY

The product is warranted against any defect in materials or workmanship, providing a claim is made in writing within 180 days after the sale of the product. THE EXCLUSIVE REMEDY FOR ANY DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE THE OBLIGATIONS OF THE SELLER TO REPAIR OR REPLACE ANY PRODUCT WHICH SHALL BE DETERMINED, TO THE SATISFACTION OF SELLER UPON SELLER'S EXAMINATION, TO HAVE BEEN THUS DEFECTIVE. For warranty service, the buyer should contact the store where the product was purchased, or write to: Eclectic Products, Inc., PO Box 4450, Pineville LA 71361 or call 800-767-4667.



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LIMITED WARRANTY (continued)

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