



FLEX SEAL[®] EXTREME LIQUID EPOXY

TECHNICAL DATA SHEET

DESCRIPTION

Flex Seal[®] Extreme Liquid Epoxy delivers extraordinary strength and unmatched versatility with its advanced multi-purpose formula. Just one gram of this powerful two-part formula can lift and hold up to 8 tons*, forming an incredibly strong bond on virtually any material.

From heavy-duty repairs to precision fixes, Flex Seal Extreme Liquid Epoxy creates a durable, permanent bond you can trust for your toughest projects. This multi-purpose, rapid-cure adhesive features a non-sag formula, making it ideal for overhead and vertical applications. Flex Seal Extreme Liquid Epoxy has gap and crack filling capabilities, curing to a permanent, watertight bond. This durable epoxy resists heat, chemical and impacts, ensuring long-lasting performance. Once cured, it can be tooled, shaped, sanded, painted, and drilled for a seamless finish.

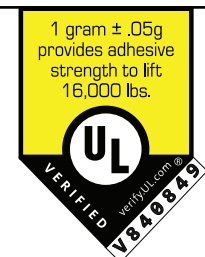
Available in a convenient 25ml syringe dispenser or two-tube format for versatile application.

FEATURES

- **Extreme Permanent Bond:** 1 gram lifts & holds 8 tons!*
- **Fast Setting:** Sets in 3-6 hours; fully cures in 15-24 hours or 1 hour with heat.
- **Watertight Seal:** Forms a durable, waterproof barrier once cured.
- **High Heat Resistance:** Withstands temperatures up to 550°F once fully cured.
- **Highly Durable:** Resistant to chemical, fuel, and impacts.
- **Weatherproof:** Designed for extreme conditions, both indoor and outdoor.
- **Multi-Purpose Formula:** Adheres to most surfaces, making it ideal for any project.
- **Easy to Use:** Simple to mix and apply for quick, reliable repairs.
- **Seamless Application:** Bonds smoothly for professional results.
- **Flexible Application:** 25-minute open work time.
- **Workable Finish:** Can be shaped, filed, sanded, tapped, drilled, and painted.
- **Color:** Cures to a black finish.



PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Viscosity (Resin)	STD Test Method	800,000 cps (Spindle 7, 5 rpm)
Viscosity (Catalyst)	STD Test Method	600,000 cps (Spindle 7, 5 rpm)
Density (Resin)	ASTM D1475	1.22 g/cm ³
Density (Catalyst)	ASTM D1475	1.1 g/cm ³
Tensile Strength	ASTM D638	6000 PSI
Operating Temperature	STD Test Method	Up to 550°F (260°C)
Application Temperature	STD Test Method	50°F to 110°F
Service Temperature	STD Test Method	550°F
Open Work Time	STD Test Method	25 minutes
Set Time	STD Test Method	3-6 hours
Cure Time	STD Test Method	15-24 hours or 1 hour with heat
Cure Color	STD Test Method	Black





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COMMON APPLICATIONS:

- Automotive, marine & plumbing repairs
- Home, garage & outdoor projects
- Furniture, appliance, tool & equipment repairs
- DIY, crafts & hobbies
- Emergency fixes
- Heavy-duty & industrial applications

COMMON BONDING SUBSTRATES:

Metal, wood, PVC, tile, plastic, glass, ceramic, concrete, brick & more.

STORAGE & SHELF LIFE

- Store in a cool, dry place between 50°F (10°C) and 90°F (32°C).
- Avoid exposure to direct sunlight and moisture.
- Shelf life: 24 months unopened when stored properly.

SAFETY & COMPLIANCE

- VOC Compliant
- Conforms to CA Prop 65
- Contains no solvents, water, or isocyanates

PACKAGING

- Supplied in a dual-cartridge syringe or two tubes, with a mixing tray and stick for easy, precise application.

DISCLAIMERS & SAFETY WARNING

- Lift and strength tests were conducted in controlled environments for demonstration purposes only. Attempting to replicate these tests is extremely dangerous and strongly discouraged. Do not attempt.
- Wear gloves & protective eyewear during use. Avoid contact with skin and eyes.
- Refer to Safety Data Sheet (SDS) for detailed safety information.

CONTACT INFORMATION

For technical assistance or additional information, visit www.flexsealproducts.com or contact customer support.

USAGE INSTRUCTIONS FOR SYRINGE:

MIXING STICK AND TRAY INCLUDED.

- 1. Prepare Surfaces:** Protect your work area from spills. Clean and dry surfaces, removing dirt, grease, oil, and rust with sandpaper or a degreaser for the best bond. Do not use alcohol or any other cleaners that may leave a petroleum residue.
- 2. Dispense & Mix:** Remove the "Snap and Save" cap from the syringe and save for later. Depress the plunger to dispense equal amounts of resin onto the included plastic tray or a clean, disposable surface. Mix until the color is uniform (approx. 1 minute).
- 3. Apply & Join:** Apply the mixed epoxy to one surface, press parts firmly together, and clamp if necessary for heavy objects. Open work time is 45 minutes.
- 4. Cure:** Sets in 3-6 hours at room temperature. Fully cures in 15-24 hours for maximum strength.
- 5. After use:** Pull the plunger back slightly, wipe the nozzle clean and replace the "Snap & Save" cap securely to prevent drying. Remove excess epoxy with a clean, dry cloth.

USAGE INSTRUCTIONS FOR TUBES:

MIXING STICK AND TRAY INCLUDED.

- 1. Prepare Surfaces:** Protect your work area from spills. Clean and dry surfaces, removing dirt, grease, oil, and rust with sandpaper or a degreaser for the best bond. Do not use alcohol or any other cleaners that may leave a petroleum residue.
- 2. Dispense & Mix:** Squeeze equal amounts of resin and hardener from each tube onto the included plastic tray or a clean, disposable surface. Mix thoroughly until the color is uniform (approx. 1 minute).
- 3. Apply & Join:** Quickly apply the mixed epoxy to one surface, press parts firmly together, and clamp if necessary for heavy objects.
- 4. Cure:** Sets in 3-6 hours at room temperature. Fully cures in 15-24 hours for minimum strength.
- 5. After Use:** Wipe the tube nozzles clean and securely replace the caps to prevent drying. Remove excess epoxy with a clean, dry cloth and acetone or mineral spirits.

Information on this data sheet can change without notice and it is therefore not recommended that these figures be used in spec writing. If you have any questions, contact manufacturer's sales and technical service department. *Lift and strength tests were conducted in controlled environments for demonstration purposes only. Attempting to replicate these tests is extremely dangerous and strongly discouraged. Do not attempt.