FLEX SEAL® EPOXY ULTIMATE PUTTY

TECHNICAL DATA SHEET

DESCRIPTION

Flex Seal® Epoxy – Ultimate Putty combines the strength of steel with the versatility of putty. This powerful 2 oz. stick delivers extraordinary strength, creating a bond that can lift and hold 4 tons!* Hand-mixable and easy to use, it's perfect for shaping, molding, or filling gaps. From repairing rust and fixing leaks to patching holes and rebuilding parts, Flex Seal Epoxy – Ultimate Putty bonds to virtually any surface. Designed for extreme conditions, once fully cured, Ultimate Putty is 100% waterproof, providing the ultimate permanent bond.

FEATURES

- Ultimate Bond: One 2-ounce stick lifts & holds 4-tons!*
- Fast Setting: Sets in 15 minutes.
- Cure Time: Reaches maximum strength in 48 hours.
- 100% Waterproof: Allow 24 hours of curing before submersion.
- Highly Durable: Resistant to chemicals, fuel, and impacts.
- Weatherproof: Designed for extreme conditions, both indoor and outdoor.
- Gap Filling: Perfect for filling gaps, cracks, and holes.
- Easy to Use: Simple to mix and apply for quick, reliable repairs.
- Multi-Purpose Formula: Adheres to most surfaces, making it ideal for any project.
- Won't Run or Drip: Ideal for overhead, vertical, and hard-to-reach repairs.
- Workable Finish: Can be molded, shaped, filed, sanded, tapped, drilled, and painted.

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, plastic, tile, glass, ceramic, fiberglass, brick, stone, concrete & more.

USAGE INSTRUCTIONS

1. Prepare Surfaces: Protect your work area. 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. Cut and Knead: Cut off the desired amount of putty. Knead it by hand until the color is uniform (approx. 1 minute).
3. Apply: Press the mixed putty firmly onto the repair surface within 2-3 minutes of mixing. Mold and shape as needed to fill gaps, cracks, or holes.
4. Allow to Cure: Sets in 15 minutes, reaches maximum strength in 48 hours.
5. Finish: Once fully cured, the putty can be sanded, drilled, tapped, or painted to match the repair.

USAGE GUIDELINES

1. Do not apply to surfaces that release oil, plasticizers, or solvents, such as oil-soaked wood, oil-basedcrack fillers, or materials containing uncured or sulfurized fats.
2. Not safe for use on surfaces that come into contact with food.

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USAGE GUIDELINES (CONT.)

3. Ensure the surface is level to allow proper mixing of the two components during application. Do not use excessive amounts of epoxy.
4. Not suitable for applications involving continuous water immersion.
5. Not suitable for certain plastics, such as polyethylene or polypropylene.

STORAGE

- Store in a cool and dry place between 41°F (5°C) and 77°F (25°C), with humidity between 30% and 70%.
- To prevent contamination of unused product, do not return any material to its original container.

DISCLAIMERS AND SAFETY INFORMATION

- 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.
- Keep the product out of reach of children.
- Before application, please carefully read the product instructions.

SIZES AND COLORS

- 2 oz. putty stick in plastic tube.
- Cures to a dark gray finish.

CONTACT

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

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Application Temperature	STD Test Method	40ºF to 100ºF (4°C to 38°C)
Storage Temperature	STD Test Method	41°F to 77°F (5ºC to 25°C)
Service Temperature	STD Test Method	-60ºF to 350ºF (-51ºC to 177ºC)
Heat Resistance	STD Test Method	Up to 350ºF (177ºC) once fully cured