



## Repair Putty – All Purpose

### DESCRIPTION

Loctite® Repair Putty All-Purpose is a hand-mixable and fast-setting two-part epoxy putty consisting of an epoxy resin and a hardener for small or emergency repairs. The two parts react to produce a hard, tough, permanent and waterproof bond on a wide range of materials. The modeling clay consistency allows it to be shaped and formed as desired before curing begins. Loctite Repair Putty All-Purpose does not shrink and is resistant to most common solvents. It can bond to damp surfaces, cure under water and can be sanded, drilled and painted after 60 minutes. Loctite Repair Putty All-Purpose will rebuild and bind to create a waterproof seal that is potable water safe.

#### Available As:

| Item #  | Package         | Size      |
|---------|-----------------|-----------|
| 1999131 | Carded Cylinder | 2 g (56g) |

### FEATURES & BENEFITS

- Easy to use – Knead, Apply, Ready
- Waterproof
- Paintable and Sandable
- Quick drying time

### RECOMMENDED FOR

Loctite Repair Putty All-Purpose is suitable for use on plumbing, tubs & showers, pipes, potable water tanks, fiberglass, marine & pool, ceramic, PVC, aluminum, wood, brick, metal, concrete, rigid and semi-flexible plastic. It bonds metal, wood, ceramic, brick, most plastics\* and concrete.

It will rebuild and bind to create a waterproof seal that is potable water safe. It will fill in gaps or reconstruct part, making it ideal for 3-D repairs and projects.

### LIMITATIONS

- \*Not recommended for polyethylene, polypropylene, non-stick coatings, nylon products or flexible materials.
- Not suitable for applications above 250°F (121°C) for fills or applications greater than 158°F (70°C) for load bearing bonds.
- Works on clear, tinted, brown, opaque and stained glass and crystal.
- Do not use for structural applications
- Not for use in large or deep holes
- Not suitable for repairs subject to movement

### TECHNICAL DATA

#### Typical Uncured Physical Properties:

|                    |                                      |                |                                      |
|--------------------|--------------------------------------|----------------|--------------------------------------|
| <b>Color:</b>      | Blue and White                       | <b>Base:</b>   | Epoxy resin / Polymercaptan hardener |
| <b>Appearance:</b> | Putty                                | <b>Density</b> | Resin: 2 g/ml   Hardener: 2 g/ml     |
| <b>Base:</b>       | Epoxy resin / Polymercaptan hardener |                |                                      |

#### Typical Application Properties:

|  |  |  |             |
|--|--|--|-------------|
| <b>Application Temperature:</b>                            | Apply between 39°F (4°C) to 95°F (35°C) For best results apply at room temperature |  |             |
| <b>Odor:</b>   | Mild amine   | <b>Functional Cure Time</b>  | 60 minutes* |
| <b>Working Time:</b>                                       | 3 – 5 minutes*   | <b>Full Cure Time:</b>   | 24 hours*   |
| <b>Handling Time:</b><br>(Can be sanded, drilled, painted) | 15 minutes   | *Time is dependent on temperature, humidity and thickness of putty applied |             |

## TECHNICAL DATA

### Typical Cured Performance Properties:

|  |  |  |   |               |
|--|--|--|---|---------------|
| <b>Color:</b>                                      | Bluish white   | <b>Shear Strength:</b>                                     | Steel, 24-hour cure                       | 1703 ± 58 psi |
| <b>Service Temperature:</b>                        | -17°F (-27°C) to 250°F (121°C) For Fills<br>-17°F (-27°C) to 158°F (70°C) For loadbearing bonds  |  | Steel, 24-hour cure *,<br>* Wet substrate | 747 ± 91 psi  |
| <b>Hardness (Shore D)</b>                          | 84   |  | Beech, 24-hour cure                       | 969 ± 26 psi  |
| <b>Water Resistant:</b>                            | Yes  |  | Beech, 24-hour cure *,<br>* Wet substrate | 207 ± 44 psi  |
| <b>Sandable</b>                                    | Yes  | <b>Shear Strength – Underwater Bonding (24-hour cure):</b> | Steel (cured in water)                    | 593 ± 260 psi |
| <b>Paintable:</b>                                  | Yes  |  | Steel, (cured dry)                        | 451 ± 352 psi |
| <b>Shelf Life:</b>                                 | 24 Months from date of manufacture   |  |   |               |
| <b>Lot Code:</b><br>(stamped on foil seal of tube) | E XXYY ZZZZ<br>XX – Last two digits of year manufactured<br>YY – Week of the year manufactured<br>Example: E 1844 (week of Oct 28, 2018) |  |   |               |

## DIRECTIONS

### Tools Typically Required:

Knife, sandpaper or wire brush, damp cloth

### Safety Precautions:

Use in a well-ventilated area. Protect work area before and during use. Wear gloves (nitrile gloves recommended) and wash hands after use.

### Preparation:

Surfaces should be clean, dry and free from grease, dust and oil. For better adhesion, slightly roughen the surface with a wire brush or sandpaper prior to cleaning. Cut off desired amount of Repair Putty and knead until uniform color is obtained (approximately 1 minute).

### Application:

Apply the putty to surface to be repaired within 3 minutes of mixing. Work putty firmly into the crack or hole and shape/smooth with hands. For bonding place the putty between the surfaces and apply firm pressure to ensure intimate contact with both surfaces. If applying to a wet surface, apply forcefully and hold in place for 3-5 minutes until adhesion takes effect. For a smooth finish, rub the putty with a damp cloth prior to hardening. Working time is approximately 3-5 minutes. After 15-60 minutes, the putty can be sanded, drilled or painted. For best results: Use damp fingers for easier mixing, application and to achieve a smooth appearance of the cured putty. Remove excess material before hardening begins.

### Clean-up

Cured putty may be cut away with caution using a sharp blade.

## STORAGE & DISPOSAL

Not damaged by freezing. Store unused product in a tightly sealed container. Knead unwanted putty, allow to harden and dispose with trash. Product should be stored at room temperature.

## LABEL PRECAUTIONS

**WARNING: MAY CAUSE ALLERGIC SKIN REACTION. EYE, SKIN AND RESPIRATORY IRRITANT.**

**WARNING:** Contains epoxy resins, amine curing agents and talc. Avoid contact with eyes and prolonged contact with skin. Wear impervious gloves. Wash hands after using. Do not breathe fumes/dust while sanding. **FIRST AID:** For eye contact, flush with water for 15 minutes. For skin contact, wash thoroughly with soap and water. Call a physician if irritation develops or persists. If swallowed, do not induce vomiting; call a physician or Poison Control Center. **KEEP OUT OF THE REACH OF CHILDREN.**



**WARNING:** Cancer – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Refer to the Safety Data Sheet (SDS) for further information.

## DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.



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