



NuMetal Epoxy Putty

DIRECTIONS & APPLICATION INFORMATION

NuMetal
EPOXY PUTTY

NuMetal Epoxy Putty is an easy-to-use, two-part putty that professionals have come to rely on. It is manufactured with the highest quality materials and formulated for the solid repair of products used in the home, plant, pool, spa, auto, RV, boat, marine and plumbing markets.

NuMetal is water-based so it mixes easily like clay but hardens like steel. In a simple "cut what you need" application, NuMetal will bond to almost anything. Just use your imagination, our NuMetal bonds, seals, fills, insulates, anchors, caulks and waterproofs. It cures without shrinking or sagging (even vertically) and can be sanded, primed and painted. Incredibly, it even sticks to damp surfaces and will CURE UNDERWATER! NuMetal is resistant to heat, cold, most fuels, and most common chemicals, solvents and caustic agents.

GLOVES ARE RECOMMENDED FOR MIXING AND MOLDING THIS PRODUCT. BE SURE TO REMOVE ANY JEWELRY OR RINGS FROM YOUR HANDS.

APPLICATIONS:

Pool & Spa: tile & grout • PVC & ABS pipe • sealing underground pipe fittings • cracked pump housing • skimmers • pool decks • concrete decks • cracked timer & control boxes • filter grids & screens • broken control handles & knobs • patching cracks in pool gunite • concrete & plastered walls • bottoms & steps • broken pool tools • cracked coping • mounting hardware & ladders • hand rails • diving boards • water fittings • gaskets

Marine – Yacht & Boat: scrapes • dents • chips • holes • leaks • breaks on fiberglass, wood, metal & plastics • broken fuel lines • broken or cracked water lines & tanks • bonds loose carpet • waste system repairs for tanks & lines • emergency repair to engine fuel & water lines

RV & Auto: PVC & ABS pipe • water lines, fittings & tanks • broken fixtures • chipped grills • handles • emergency repair engine fuel & coolant lines • gaskets • plumbing cracks & leaks • furniture, wood, fiberglass, ceramic & plastic • tubs, toilets, sinks, tiles & caulking • emergency repairs for radiator & cracked engine blocks • battery terminals & cases

Home: furniture • water lines • PVC & ABS pipe • dents, scrapes, chips & nicks • cast iron, brick, concrete, tile, ceramics, stone, glass, pottery, wood, plastic & ceramic • sprinkling line repair • sealing underground connections & elbows • cracks & leaks in plumbing fixtures • tubs, toilets, sinks, tiles & caulking • broken filling on appliances • air conditioning & refrigeration coils • attaching golf club shafts to golf club heads

Industrial: leaking drum repair • water & air lines • HVAC coolant & refrigeration lines • plumbing fixtures

PREPARATION:

Before mixing NuMetal, clean off any loose debris, grease, oil, gasoline, rust, or dirt from surface. KBS Klean is the ideal surface prep. If you are using NuMetal in a pool, spa or pond repair, clean off any loose materials, algae, or slimy substances from the surface.

FOR BEST RESULTS, sand or rough up the surface to help improve the putty's adhesion.

If NuMetal is cold or with a temp below 70°F, it will be stiffer and slightly more difficult to knead and also take longer to set. If NuMetal is warm or above 90°F, it will be softer and easier to knead but it will have a shorter work life and set much quicker.

Allow approximately 30+ minutes for work time. NuMetal will begin to set in about 1 hour from the time mixing is complete and will be fully cured in about 12 hours.

DIRECTIONS:

1. Using a 1:1 ratio, cut only what you need. Simply cut equal parts of A and B bars using a ruler as a guide. It is much easier to knead several smaller quantities together than a large amount.
2. While wearing gloves, knead and roll the NuMetal in your hands or on a clean working surface. Work at least 2 minutes for a walnut-sized piece; work at least 15 minutes for a whole pound. We suggest rolling it out so it approximates the shape of a cord or rope, then fold it in half and twist together. Knead the NuMetal back into a ball and repeat the process until the putty becomes one uniform color, making sure there are no streaks of color.
3. Firmly press, shape or mold the NuMetal to the surface that you are repairing. For a very smooth professionally looking surface and to eliminate the need for sanding, smooth and feather with WET FINGERTIPS BEFORE DRYING. Expect a steel hard cure in about 12 hours.
4. After full cure, NuMetal can be sanded, drilled, routed, screwed, chiseled, surfaced, tapped, sawed, turned, filed, carved, stained or painted.

CLEAN UP:

Securely seal any unused putty in the plastic zip bag supplied in the box. Before NuMetal cures, immediately clean all tools, reusable gloves, or any other used objects with soap and warm water. Should NuMetal adhere to these products after setting and curing, removal will be very difficult. When the job is finished, please remember to also wash your hands thoroughly with soap and water and especially before eating or smoking.

STORAGE:

NuMetal has a very good shelf life. Always place any unused putty in the securely sealed plastic zip bag and store in a cool, dry location. Keep it on hand for use on additional repair projects in future months.

QUESTIONS & ANSWERS:

Q) *How can I smooth out the surface of my repair?*

After firmly applying NuMetal to the surface to be repaired, use a putty knife or your gloved fingers that have been dipped in water, and rub the application area until it forms a smooth surface.

Q) *Can I use NuMetal as an adhesive?*

Absolutely! NuMetal will bond almost anything to everything. It will bond wood, concrete, stone, plastic, tile, and all types of fiberglass and most types of metals. Whenever possible, rough up or lightly sand the surface to promote good adhesion.

Q) *Will NuMetal cure underwater?*

Yes, once properly mixed & kneaded, use it underwater to seal a crack or repair plumbing. You do not have to drain your pool or spa. You can also repair cracks in your boat in fresh or salt water.

Q) *What is the highest temperature that I can use NuMetal?*

The maximum use operating temperature is 300°F (150°C).

Q) *What happens when NuMetal is cold?*

It will be slightly more difficult to knead at first. However, the warmth of your hands and the slight heat generated by NuMetal as it chemically reacts will help minimize this problem. Ideally, you should mix NuMetal at temperatures of 70°F or above. NuMetal will mix and spread out much easier at 80°F than 50°F. If NuMetal gets too cold, it will be more difficult to knead parts A & B together and the hardening time will take much longer. TIP: Blowing warm air to heat the application's surface can help speed up the hardening time.

NUMETAL IS AVAILABLE IN WHITE, TAN, GREY & BLACK !

CAUTION: KEEP OUT OF REACH OF CHILDREN.

NuMetal may cause irritation or burns to the skin or eyes. Potential skin sensitizer. Avoid contact with eyes, skin & clothing. Wear safety glasses, rubber gloves and a long-sleeve shirt to reduce the potential for eye or skin contact. For skin contact, wash affected area immediately with soap & water. For eye contact, flush immediately with large amounts of water for at least 15 minutes. Call a physician. **WARNING:** This product contains chemical(s) known to the state of CA to cause cancer. Consult MSDS for additional information. **DO NOT TAKE INTERNALLY. HARMFUL IF SWALLOWED.**

Information contained herein is to our knowledge true and accurate, but all recommendations or suggestions are made without guarantee. Since application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

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