

# FastSteel Epoxy Putty

## Steel-Filled

**NuFlex**  
SEALANTS

### EPOXY PUTTY STICK TECHNICAL DATA SHEET

Page 1 of 2

**FASTSTEEL** is a hand kneadable, steel-reinforced, epoxy putty adhesive sealant that mixes in just one minute to provide fast repairs to items made of ferrous and aluminum metals. It comes in a handy four ounce "tootsie-roll" form with the curing agent encapsulated in the contrasting color base material. The putty-like consistency eliminates drips and runs providing "no mess" applications with no tools required for use.

#### FEATURES & TYPICAL USES:

**FASTSTEEL** molds like clay and may be used in many industrial and home maintenance applications. It can be used to repair iron pipes, tanks, tools, and equipment; stripped threads; blowholes; molds, patterns, and casting; down spouts and gutters; and ductwork. The unused portion will remain stable for years if stored in its container at room temperature.

#### SURFACE PREPARATION & APPLICATION:

**Surface Preparation:** In order to achieve optimum adhesion, surfaces should be clean and free of grease and dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond. **Mixing:** Twist or cut off required amount. To mix, knead with fingers to a uniform color. If mixing is difficult, warm **FASTSTEEL** to room temperature or slightly above. Apply to the surface to be repaired (within two minutes of mixing). Force into any cracks or holes to be filled and strike off excess material, preferably with a tool wetted with clean water. Warming **FASTSTEEL** or applying to warm surfaces will accelerate the cure. When applying to a damp, wet, or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect. For a smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins. After 5-10 minutes the epoxy will begin to form a tenacious bond. After just 60 minutes, **FASTSTEEL** can be drilled, sawed, carved, sanded, stained, or painted.

#### CAUTION:

When mixing by hand, **FASTSTEEL** does not cause skin irritation to individuals with normal skin sensitivity. Individuals with extra sensitive skin should maintain caution and wash hands thoroughly after mixing the compound, or wear thin plastic gloves. **FASTSTEEL** has been classified non-toxic and non-skin irritating when tested versus the requirements of the Federal Hazardous Substances Labeling Act.

**WARNING:** May cause irritation to sensitive skin. Wash hands with soap and water after use. Eye irritant. In case of eye contact, flush with water. Contact physician. May be harmful if swallowed. Keep out of reach of children. When sanding cured putty or substrate, use protective eye wear and dust mask. Not intended for use in structural applications. Turn off power when doing electrical repairs.

#### MANUFACTURED BY:

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FORM: FASTSTEEL\_TDS.DOC

REV.: 3 DATE: 04/15



#### FEATURES:

- Steel-enforced.
- NSF Approved
- Quick set up.
- Easy to use.
- Adheres to many substrates.
- Ideal for ferrous and aluminum metals.

#### AVAILABLE SIZES & COLOUR:

- 7/8" diameter sticks
- 3-1/2" (2 oz.) length.
- 7" (4 oz.) length.
- Packed in a reusable clear plastic tubes
- Bulk packed in quantities of 24 sticks per case.
- **Available Colour:** Dark steel colour after cure.

#### PATENTS:

- U.S.: 3,708,379; RE 30,843; 3,837,981
- Canada: 993,169
- Japan: 899,724
- W. Germany: 2,322,806
- United Kingdom: 1,452,785



[www.NuFlex.com](http://www.NuFlex.com)

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Page 2 of 2

### SPECIFICATIONS:

Certified by the National Sanitation Foundation (NSF INTERNATIONAL) for use in contact with potable water under Standard 61 –

### TYPICAL PROPERTIES:

These values are not intended for use in preparing specifications. Spec Writers; please contact NUCO Inc. before writing specifications if any further information is required.

Description	Specification
Work Life, minutes:	3.5 – 5
Shelf Stability @ 23°C (75°F) Months (minimum):	24
Hardness, Shore D (full cure, 24 HR), (ASTM D 2240):	80
Lap Shear Tensile Strength, ASTM D 1002:	
On Steel (1" x 1" x 1/16"), lbs (full cure, 24 hours)	900
Compressive Strength, lbs/in (ASTM D 695):	8,000
Shrinkage, %, ASTM D 2566:	1
Non-Volatile Content, %:	100
Electrical Resistance, megohms, ASTM D 257:	30,000
Dielectric Strength, volts/mil, ASTM D 149:	300
Temperature Limitations, °F:	
Continuous:	121°C (250°F)
Intermittent:	160°C (320°F)
Chemical Resistance, UL 698:	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases.

### WARRANTY INFORMATION:

*NUCO Inc., warrants only that its product will meet its specifications. NUCO shall in no event be liable for incidental or consequential damage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.*

### DISCLOSURE

The information and data contained herein is BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. Please read all statements, recommendations or suggestions herein in conjunction with our CONDITIONS OF SALE which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

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