

### Product description

Steel Epoxy Stick is a hand-mixable, non-rusting, steel-reinforced epoxy putty that quickly repairs or rebuilds anything made of steel. After mixing, it forms an industrial-strength polymer compound that can be molded into shapes or used to build up, patch and repair steel components. Each handy stick contains pre-measured portions of activator and base throughout — no measuring or mixing tools are necessary. The consistency (like modeling clay) eliminates drips and runs and facilitates adhesion to the substrate.

After 60 minutes the application can be drilled, tapped, ground, machined, filed, and painted. Steel Epoxy Stick cures to a dark gray metallic color. Suitable for interior or exterior use, it is resistant to water, chemicals, and temperature extremes. Steel Epoxy Stick contains no VOCs or solvents. It's non-flammable and releases no noxious fumes. It won't shrink or pull away. The unused portion stays fresh for future use when saved in its original package.

### Benefits

- Will not shrink or rust
- Putty-like consistency, eliminates drips & runs
- No tools required
- One hour after application can be drilled, sawed, sanded, filed, tapped, machined, and painted.

### Typical applications

- Rebuild small engine parts
- Fills cracks and voids in metals
- Rebuild rust damage
- Fill dents in car & bike bodies
- Repair stripped threads
- Anchor machines
- Fashion handles

### How to use

Before applying, roughen and clean area to be repaired. Wear impermeable gloves before handling or mixing uncured material. Then follow these easy steps:

1. Cut off required amount
2. Mix into uniform colour with gloved fingers
3. Apply to repair surface within 2 minutes. Force into cracks or holes and remove excess material with a tool moistened with water.

**For best results:** Use damp fingers for easier mixing application, and smooth appearance of the cured compound. Remove excess material before hardening begins

Steel Epoxy Stick has a 3-5 minute worklife. Functional cure occurs in 60 mins. Cured colour is steel grey. (Not intended for structural applications)

### Health precautions

- Contains Epoxy Resin, Tri (dimethylaminomethyl) phenol, and Aliphatic Amines. Epoxies are skin/eye irritants and known sensitizers. Direct product contact may cause an allergic reaction in some individuals. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product.
- Inhalation of dust may be harmful. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product.
- Ingestion of product may be harmful.
- KEEP OUT OF REACH OF CHILDREN.

For additional information consult Safety Data Sheet

## Performance Data\*

SHELF LIFE AT 75°F (24°C)	24 months minimum
SHORE D HARDNESS AT FULL CURE (24 hrs)	80
LAP SHEAR TENSILE STRENGTH	
On steel (1" x 1" x 1/16")	900 lbs (6.2 MPa)
COMPRESSIVE STRENGTH	8,000 psi (55 MPa)
DENSITY	18.5 lb/gal, 2.2 gm/cm <sup>3</sup>
SHRINKAGE	<1%
NON-VOLATILE CONTENT	100%
ELECTRICAL RESISTANCE	30,000 megohms-cm
DIELECTRIC STRENGTH	300 volts/mil
TEMPERATURE LIMITS	
Continuous	-40° to 250°F (-40° to 121°C)
Intermittent	-40° to 300°F (-40° to 149°C)
CHEMICAL RESISTANCE	
Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.	
NOT INTENDED FOR STRUCTURAL APPLICATIONS	
*Not to be used for specification purposes.	

*Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.*

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