



# STRONG STEEL STICK

## RENEWAL COMPOSITE



### FEATURES

- Hand-kneadable, ready-to-use stick for fast emergency repairs
- Hardens like steel in 20 minutes
- Can be machined, drilled, tapped and painted in 30 minutes
- Plugs and seals leaks
- Permanently fills gaps and holes in metal, concrete, wood, fiberglass and ceramics
- Patches holes and cracks in pipes, drums and tanks
- Non-rusting
- Can be used for underwater repairs

### PACKAGE

Net Fill

4 oz. (114 grams) stick

Part No.

60159

### APPLICATIONS

- Ceramics
- Custom Formed Gaskets
- Ductwork
- Electrical Equipment
- Machinery
- Plumbing
- Underwater
- Vehicles

### PROPERTIES

Compression Strength (ASTM D695):

8,000 psi (55 MPa)

Color:

Dark grey

Density:

18.5 lb/gal., 2.2 gm/cm<sup>3</sup>

Dielectric Strength:

300 volts/mil

Electrical Resistance:

30,000 megohms

Full Cure Time:

24 hours @ 75°F (24°C)

Hardening Time:

20 minutes @ 75°F (24°C)

Hardness (SHORE, ASTM D1706):

80 D

Lap Shear Tensile Strength on Steel

(1" x 1" x 1/16"):

900 lbs (6.2 MPa)

Shrinkage:

<1%

Temperature Resistance:

300 °F (149°C)

Working Time:

4 minutes @ 75°F(24°C)

Upper Temperature Limits

Continuous 250°F (121°C)

Intermittent 300°F (149°C)



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### DIRECTIONS

Before applying, roughen and clean the area to be repaired. Then follow these steps.

1. **CUT** or twist off required amount.
2. **MIX** by kneading with fingers to a uniform color. If mixing is difficult, warm Strong Steel Stick to room temperature or slightly above.
3. **APPLY** to surface to be repaired within 2 minutes of mixing. Force into any cracks or holes and strike off excess material, preferably with a tool moistened with clean water.

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

TEMPERATURE	WORKING TIME	HARDENING TIME	FUNCTIONAL CURE TIME	FULL CURE TIME
75°F (24°C)	4 MINUTES	20 MINUTES	60 MINUTES	24 HOURS



### CHEMICAL RESISTANCE

- Alcohols
- Aqueous salt solutions
- Bases
- Dilute acids
- Esters
- Halocarbons
- Hydrocarbons
- Ketones

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST OR VISIT OUR WEB SITE : [WWW.LPSLABS.COM](http://WWW.LPSLABS.COM)

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