

## SUPERFAST COPPER EPOXY

### DESCRIPTION

Superfast Copper-Stick Epoxy Putty is a fast-setting polymer compound that enables permanent repairs to copper, brass, bronze and other non-ferrous metals. It also bonds to wood, glass, masonry, and many plastics.

Each handy stick contains pre-measured portions of activator and base throughout – no measuring or mixing tools are necessary. As the epoxy is mixed, the two contrasting colours blend into one colour to indicate complete mixing. The consistency eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins. Superfast Copper-Stick is specially formulated to have the same appearance and texture as copper once cured. Once cured (within minutes of application), Superfast Copper-Stick can be tapped, drilled, sawed, filed or painted. Domestic hot water pipes and vessels can be restored to service after one hour.



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Suitable for interior or exterior use, it is resistant to water, chemicals, and temperature extremes. Superfast Copper-Stick contains no solvents or VOC's. 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.

Superfast Copper-Stick has a work life of approximately 3 minutes. Within 5-10 minutes it will harden and form a cohesive bond. After 1 hour, the system can be put back into service.

### TECHNICAL DATA

MINIMUM SHELF LIFE (months @ 24°C.)	24
HARDNESS, SHORE D (full cure, 24 hrs.)	80
LAP SHEAR TENSILE STRENGTH (MPa)	
On Steel	4.5
On Copper	4.8
COMPRESSIVE STRENGTH (MPa)	83
DENSITY (gm/cm <sup>3</sup> , lb/gal)	1.9, 15.8
SHRINKAGE (%)	<1
NON-VOLATILE CONTENT (%)	100
ELECTRICAL RESISTANCE (megohms)	30,000
DIELECTRIC STRENGTH (volts/mil)	300
UPPER TEMPERATURE LIMIT	
Continuous (°C)	120
Intermittent (°C)	150

### CHEMICAL RESISTANCE

Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

### STORAGE

Sylmasta Superfast Copper should be stored out of direct sunlight in dry frost free conditions of temperatures between 5°C and 20°C. Under such conditions shelf life will be 18 months from the date of manufacture.

### PRESENTATION

Superfast Copper is supplied in a stick form wrapped in a clear release film. The stick has a nominal 22mm diameter, is available in 175mm and 75mm lengths and comes supplied in a clear plastic tube.

### HEALTH & SAFETY IN USE

Superfast Copper consists of epoxy resins and hardener systems, which are currently classified as hazardous materials. Wear rubber or plastic coated gloves.

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