



Works Like Magic! Instantly Bonds Copper Pipes! No Need To Solder!

Tired of Soldering?

Let Copper Lock revolutionize the way you solder pipes!

Copper Lock™



No Heat Solder

Bonds Copper Pipes Instantly!

Copper Lock is revolutionizing the way pipes are soldered. Simply apply it inside the connector, fit in the pipe and within seconds a permanent leakproof seal will occur. Pressure may be applied after 2 minutes. Can withstand pressures at 10,000 PSI flow and 500 PSI contained. Copper Lock can also withstand temperatures from -60°F to +300°F.

- Seals against most fluids, gases and chemicals
- Permanent leakproof bond
- Can be disassembled at 400°F heat
- Seals copper pipe up to 1 1/2" (40 mm)
- Withstands vibrating
- Locking torque, 28-35 (N.m. breakaway)
- Locking torque, 50-65 (N.m. prevailing)
- Meets U.S. Military Specifications:
 - Mil-S-46163A Type I Grade K
 - Mil-S-224723E Letter Grade CVV

RECOMMENDED FOR:

- | | | | |
|------------|------------|----------------|------------|
| • Acid | • Brine | • Kerosene | • Solvents |
| • Air | • Caustics | • Oil | • Steam |
| • Alkalies | • Gasoline | • Refrigerants | • Water |

*Air space in bottle is required for increased shelf life.

Stock No. 10-800
2 oz. (60 ml)
with larger
& smaller sizes
available



Buy Copper Lock today!

Environmentally Safe, Industrial Strength Chemical Products



ComStar International Inc.
20-45 128th Street
College Point, NY 11356 USA
Telephone 718 445 7900
Fax 718 353 5998
US Wats 1 800 328 0142

COPPER LOCK™ INSTRUCTIONS

“No Sweat Solder”

Helpful notes:

- A) Snip the very end of the Copper Lock cone dispenser. Too large of an opening will cause too much to come out and it will be a waste and messy. Copper Lock works best with a thin solid line being applied to the full diameter of the pipe exterior and/or inside of the fitting (connector).
- B) If done properly, Copper Lock will bond (cure) sufficiently to handle in about 30 seconds. Within 2 minutes you can perform a pressure test.
- C) After applying Copper Lock, insert the pipe into the fitting and then turn the pipe or fitting ½ turn or more, if possible. This will assure there are no gaps in the liquid.
- D) After the initial turn, DO NOT rotate or allow the pipe/fitting to move from the initial position for approximately 30 seconds to one minute. This may cause a possible leak.
- E) If using soft or rolled copper tubing, it is necessary to use a swedge tool to assure the tube end fits snugly into the fitting or connector (i.e., no gaps).



Instructions

1. Using a 60 grit (medium) emery sanding cloth, sand the inside of the fitting and the outside of the pipe section to be inserted into the fitting. This provides additional bonding surface.
2. Apply a solid thin line of Copper Lock around the inside of the fitting. If desired (but not necessary), you can also apply a thin solid line on the outside of the pipe. This will allow an inspector to see that the pipe/fitting is bonded with Copper Lock. For “spec” jobs, check with your local inspector prior to using Copper Lock.
3. Insert the pipe into the fitting and twist ½ turn or more. This assures that the Copper Lock is on the entire circumference of the pipe and fitting. This is necessary to prevent leaks.
4. Do not allow the pipe/fitting to move, slip or rotate for at least 30 seconds and preferably for about 1 minute. This time is necessary to allow the Copper Lock to react with the copper or brass and begin the reactive bonding process.
5. After two minutes, a water pressure test can be conducted to test for leaks. For a test on an air conditioning system, it is recommended to wait 60 minutes after application.
6. If a leak is detected, you can take the pipe/fitting apart by using a propane or MAPP gas torch to heat the fitting. This will release the Copper Lock and allow the pipe/fitting to be separated. Clean the connections and follow the above instructions again. EXTREME CARE IS NECESSARY TO PROTECT SURROUNDING AREAS FROM FIRE. CAUTION: THE PIPE/FITTING WILL BE EXTREMELY HOT...ALLOW TIME TO COOL AND THEN DISASSEMBLE USING WET TOWELS.