BRIDGIT

USE BRIDGIT LEAD- FREE SOLDER FOR EXCEPTIONAL STRENGTH!

BRIDGIT® SOLDER

Bridgit plumbling solder was orginally specifically formulated as a lead-free solder to replace 50/50 tin-lead. For the past twenty years, Bridgit has proved its value as the best choice for copper tube connections.

Bridgit has a plastic range which operators will find to their advantage when trying to fill poorly fitted joints. At the same time, Bridgit solder has the capability of flowing through tight capillaries when joints are at or above its liquidus temperature. Only Bridgit contails nickel, a key ingredient used to toughen stainless steel and tool steels. This addition gives Bridgit its high joint strength and excellent flowproperties. Bridgit is a patented alloy which meets all Federal Requirements for lead-free solders mandated by the Federal Safe Drinking Water Act Amendments of 1986 (Public Law 99-339).

BRIDGIT BURN-RESISTANT & WATER-SOLUBLE SOLDERING FLUXES

Bridgit burn-resistant paste flux stays active to 800F. At soldering temperatures, including those required by most new lead-free solders, Bridgit flux will not burn, thus reducing carbon formations that may result in leaks. The flux is unexcelled for use in soldering copper, brass,bronze, galvanized and other plumbling fittings.

This fluxworks extremely well with Bridgit lead-free solder in potable water systems. The flux will work equally well with other solders. Bridgit burn-resistant paste flux meets all requirments of the Safe Drinking Water Act.

Brigit water-soluble flux is a smooth, light yellow, water-flushable paste that holds its shape and will not slump until heated above 122F/50C. Bridgit water-soluble flux has been designed specifically for use in plumbling applications where copper and copper alloy tubes are being soldered. It is also an excellen choice for pipes used in heating, air-conditioning, mechanical, and fire sprinklers. This product was developed as a water - soluble alternative to petroleum based plumbing taxes. It is a water-based flux, which begins cleaning metals at room temperature and promotes excellent solderablity with lead-free solders.

COMPARATIVE SOLDER STRENGTH

SOLDER	WIRE STRENGTH PSI	JOINT TENSILE SHEAR STRENGTH (A)	1" COPPER TUBE TYPE L BURST PRESSURE IN PSI AT 300°F	MELTING RANGE	
				SOLIDUS °F/C	LIQIDUS °F/C
50/50 Tin Lead	3200	Failed in joint	3300(b)	360/182	420/216
95/5 Tin-Antimony	5900	Failed in copper	4800(b)	452/233	464/240
Bridgit	6600	Failed in copper	4800(b)	460/238	630/332

(a) 3/4" overlap jointin 1/16" x 1/4" coper strap (b) Joint failed in solder (c) Copper tube burst

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