

KappZapp4™

Description

KappZapp4™ Tin-Silver solder is a NSF Certified Lead-free solid wire solder containing 4% Silver, offering improved tensile strength, shear strength, elongation, and conductivity over KappZapp3.5™. It provides a wider workable range of 430-475°F (221-246°C) to allow users to manipulate parts, while the solder is hardening. In many cases, a stronger overall assembly exists after joining with **KappZapp4™** than with higher temperature Silver brazing alloys.



Certified to
NSF/ANSI 61 & 372

NSF International certifies that this product complies with NSF/ANSI Standard 372: Drinking Water System Components – Lead Content. Product also Certified to NSF/ANSI 61, Annex G and conforms with Lead content requirements for “Lead-free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act in effect as of January 4, 2014. Weighted average lead content < 0.25%; Solder and flux lead content < 0.20%. This alloy complies with the European RoHS and REACH directives. No lead, cadmium or mercury used in production.

Applications

- Hand soldering Copper wires and tabs when the application could require more time to position the item being soldered
- Electrical and electronic applications
- Applying thin Copper and Stainless Steel wires to circuit boards
- Typical uses include:
 - Electronics
 - Fabrication
 - Ducting
 - Food containers
 - Storage bins
 - Instruments
 - Copper plumbing pipe
 - Cooling coils for refrigerators
- Paired with [Kapp Comet™ Flux](#)

Properties

Composition	
Sn (Tin):	96%
Ag (Silver):	4%
Technical Data	
Melting Range:	430-475°F (221-246°C)
Tensile Strength (Copper):	14,000 psi
Tensile Strength (Stainless):	28,000 psi
Shear Strength:	12,00 psi
Elongation:	49%
Electrical Conductivity:	16.5%

Product Variants

*Available in standard forms: 1/32” (0.031”) (0.8mm), 1/16” (0.063”) (1.6mm), 1/8” (0.125”) (3.2mm). Custom alloys and forms are our specialty. Call a Kapp representative to discuss what size and diameter are right for you.

Matching Flux

- [Kapp Comet™ Flux](#)