



Canfield Technologies, LLC

Technical Data Sheet Sil-Can® Brazing Alloys



SIL-CAN 0: Extremely fluid, economical alloy for close fitting joints with clearances from .001 to .003. It is self-fluxing on copper and contains no silver. Brazing temperatures 1350°F to 1550°F.

SIL-CAN 5: More economical than SIL-CAN 15, with a slightly higher melting range. It's a tough ductile alloy for brazing on average joint clearances. Conforms to ASTM BcuP-3 and contains 5% silver. Brazing temperature is 1300°F.

SIL-CAN 15: Most widely used and easiest to use silver brazing alloy for copper and copper alloys, combining the highest ductility with the lowest brazing temperatures. It is used when close fit-ups cannot be maintained, and is self-fluxing on copper to copper joints. Ideal on air conditioners, radiators, electrical connections, etc. Contains 15% silver. Brazing temperature is 1300°F.

Contact us for information on other brazing alloys.

LEAD-FREE EVERGLEEM 496: Tarnish resistant silver/tin solder of exceptional strength and ductility. Although it melts at 430F, it has exceptional strength vibration resistance at 250F. Contains no antimony, NO LEAD or other toxic metals, meets all sanitary code requirements for food equipment, stays bright, and maintains its color on stainless steel. Used on refrigeration, potable water systems, air conditioning, low pressure steam, radiators, etc. Meets ASTM Specification B32-66Y96.5TS and QQ-S-571e, Sn96. (Use SIL-CAN LIQUID SOLDERING FLUX when soldering stainless.)

Nom. Comp. % Sil-Can Alloy	Ag	Cu	Zn	Other	Temperature°F		AWS: A5.8-62 ASTM: B260-62T
					Solid	Liquid	
Sil-Can 0	-	93	-	7 Phos.	1310	1460	BcuP-2
Sil-Can 5	5	89	-	6 Phos.	1190	1480	BCuP-3
Sil-Can 15	15	80	-	5 Phos.	1195	1470	BCuP-5

SIL-CAN Alloys meet appropriate Federal Spec. QQ-B-650a & QQ-B-654
SIL-CAN 0 - 15 have a specific gravity of approximately .30 lbs. per cubic inch.

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