



AFCW Sn63/Pb37 Solder



TIP TINNING CORE WIRE SN63/PB37 SOLDER

- Tip Tinning Solder as Wire or Rod Solder
- Effective for soldering stainless steel (SS304, SS316, and additional grades)
- Tin-Lead Based Solder For Soldering
- Residues From Soldering Completely Water Soluble

DESCRIPTION

Superior AFCW Sn63/Pb37 Solder is a cored wire or rod solder designed for soldering applications. This solder is effective for soldering stainless steel. A eutectic solder formulation with an active flux core it permits soldering. The specialty flux core created by Superior Flux will cut through the very tenacious oxides and will promote the spread of the solder alloy on metal surfaces.

APPLICATIONS

Superior AFCW Sn63/Pb37 Solder is useful for soldering copper or stainless steel connections. The solder is best used by heating the base metal with radiant heat from a constant heat source such as a soldering iron, torch, or an induction source. The cored wire solder is then placed on the hot surface where it will melt and release the internal aluminum core flux which will attack the aluminum surface oxides and permit the solder to flow. Low temperature, diffuse heat torch soldering can be used afterwards, but intense torch heat will destroy the flux within the solder core.

Superior manufactures quality fluxes. Our business is solving problems.



PHYSICAL PROPERTIES

Melting Point	183°C (361.4°F)
Solder Density	8.40 g/cm ³
Shear Strength	52.4 MPa
Recommended Part Temperature Range	220-315°C (482-600°F)
pH of 1% of Flux Core	7.20
Odor	Mild
Flash Point	None

RESIDUE PROPERTIES AND REMOVAL

The residues from the **Superior AFCW Sn63/Pb37 Solder** are slightly basic and completely water soluble and should be removed from electronic assemblies. They are best removed by immediately washing with warm water. To remove the water, rinse the surface with an alcohol rinse then dry the surface.

SAFETY PRECAUTIONS

This product, during handling or use, may be hazardous to health or the environment. Read the Safety Data Sheet and warning label before using this product.

The information contained herein is based on data considered to be accurate and is intended for use by persons having technical skills at their own discretion and risk. Since conditions of use are outside of Superior Flux & Mfg. Co.'s control, we cannot assume liability for results obtained or damage incurred due to misuse, nor can we assume customer liability.

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