



Quality Management System
in accordance with
ISO 9001:2000
Cert # 05-R0925

SOLDER KITS

U.S. ALLOY CO.
dba Washington Alloy
7010-G Reames Rd.
Charlotte, NC 28216
www.weldingwire.com



780 Kit

780 Kit contains a 2 oz. container of non-corrosive flux and one oz. of 780 zinc and aluminum alloy coil. Recommended for joining aluminum, copper, and brass 780 can be used with air and acetylene, propylene, or propane torches. The working temperature of 760°F/410°C to 800°F/430°C has a wire tensile strength up to 35,000 psi, shear strength up to 25,000 psi. and elongation of approximately 2%.

780 flux is a complex mixture of fluorides that provide stability during the soldering process leaving a non-corrosive residue.

Product Use

Thoroughly clean and remove any contaminants such as oxides, oil, dirt, that may interfere with the performance. Apply the flux to the cleaned area you wish to solder. Heat the fluxed area keeping the torch in motion until the flux becomes fluid/clear and the base metal up to temperature. Introduce the 780 solder wire to the area you wish to join allowing the solder to flow into the joint. Remove heat and let cool.

96/4 Kit

96/4 Kit contains a 2 oz. container of liquid flux and one oz. tin and silver solder coil.

Recommended for joining, copper, brass, steel and stainless steel. 96/4 can be used with air and acetylene, propylene, or propane torches. The working temperature of this alloy is 430°F and has a wire tensile strength up to 14,000 psi, shear strength up to 10,000 psi. and elongation of approximately 48%.

The liquid flux is a complex mixture of chlorides that provide stability during the soldering process leaving residues that are corrosive and care should be taken to remove flux residue after soldering.

Product Use

Thoroughly clean and remove any contaminants such as oxides, oil, dirt, that may interfere with the performance. Apply the flux to the cleaned area you wish to solder. Heat the fluxed area keeping the torch in motion until the flux becomes active and the base metal up to temperature. Introduce the solder to the area you wish to join allowing the flow into the joint. Remove heat and let cool.

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