Al-Cop Braze ™- Aluminum to Copper Brazing Rods

Description

A stable mixture of aluminum-zinc filler metal and a non-corrosive cesium-based flux for joining all brazable grades of aluminum and copper.
Al-Cop Braze has a low melting point and narrow melt range which makes it suitable for brazing aluminum alloys. In addition, the high zinc content relative to other aluminum filler metals provides increased wetability. Solution temperature during heat treating must be below the solidus of the braze alloy in order to ensure integrity of the joint is maintained.

Applications

- Joining all brazable grades of aluminum and copper.
- Aluminum to Aluminum or Aluminum to Copper wire pigtail splices
- Aluminum to Copper, Aluminum to Brass or plated terminals
- Hot dip coating of Aluminum cable connectors to provide a low resistance contact surface
- Where it is desirable to attain flow into tight capillary joints
- HVAC applications with Brass, Copper, Aluminum and Steel

Is effective with any of these heat sources :

- Oxy-acetylene torch
- Natural gas torch
- MAPP Gas
- Induction

Properties

Composition	**Range**
Zi (Zinc) :	Balance
Al (Aluminum):	22.00% ± 1.0
Other Elements, Total	0.15% Max

Technical Data	
Appearance:	Silver-Colored with White Flux Channel
Solidus:	826°F (441°C)
Liquidus:	905°F (471°C)
Recommended Brazing Temperature	950-1000°F (510-537°C)
Density (Lbs/in^3)	0.19
Electrical Conductivity (%IACS)	N/A
Electrical Resistivity (Microhm-cm)	N/A
Shelf Life:	2 years at ambient temp.
Packaging:	Convenient Tubes

Product Variants

- 18" Rods
  - SW-ALCU5K - 5 Rod Pack
  - SW-ALCU8K - 8 Rod Pack
- 8" Rods
  - SW-ALCU5.5 - 5 Rod Pack