

## AI-0800

### Specifications

ASME 11C SFA 5.6 : ECu

### Description and Applications

**AI-0800** is a pure copper electrode featuring a highly sophisticated coating and depositing perfectly deoxidized weldments, free from porosity. This electrode is not only appropriate for welding copper but also copper and cupronickel alloys. Minimum preheat required for assemblies less than 5mm thick.

**Applications include:** Equipment for chemical, food, brewing and other industries including electrical connections, bus bars, circuit breakers, oxy lance repairs, copper wire guides.

### Typical Weldmetal Analysis

Mn	Sn	Fe	Cu
0.20	0.50	0.20	99.0

### Mechanical Properties of Weldmetal

	As Welded
Tensile Strength	220 MPa
Elongation	40% (5d)
Hardness	55 HB

### Welding Parameters

Diameter (mm)	Current type	Amps
3.2	DC	110-130
4.0	DC	120-150

### Welding Positions

(1G, 1F) Downhand/flat position, (2F) Horizontal position

### Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at [sales@alloysint.com.au](mailto:sales@alloysint.com.au)

