

## PRODUCT INFORMATION

### SIFCUPRON No 17-5Ag

EN 1044: CP104,  
BS: 1845 CP4  
AWS A5.8 BCuP-3

## DESCRIPTION

A copper/phosphorus alloy with 5% silver, exhibiting ductility and capillary flow characteristics between 17-2 AG and 17-15 AG. It provides the best combination of flow and ductility of all the silver-copper-phosphorous type brazing filler metals.

## WELDING POSITIONS



Suitable for use in heating and ventilation industries, shipbuilding, refrigeration, and offshore and electrical industries.

## TYPICAL WELD METAL COMPOSITION

Ag	5 %
P	6 %
Cu	Bal

## TYPICAL MECHANICAL PROPERTIES

Melting Point	645-730 °C
Ult Tensile Strength	600 N/mm <sup>2</sup>
Hardness	190

## MATERIAL TO BE WELDED

It is recommended for use in the production of electrical motors, dynamos and the joining of copper pipes in ship building and offshore industries. It is extensively used in refrigeration, air conditioning and heat-exchanger components for flux-free brazing of copper pipes and tubes. It is also used for joining copper in electrical engineering applications. Not suitable for brazing iron-containing materials like carbon, stainless steel, or materials with a nickel content as the phosphorus within the filler will form brittle compounds at the joint. For brazing copper to copper no flux is needed.

## AVAILABLE FORMATS

1M ROD (TIG / GTAW)			
Dia	1.0kg Pkt	2.5kg Ctn	5.0kg Ctn
1.5mm	RO1815015Ag	RO1815255Ag	RO1815505Ag
2.5mm	RO1825015Ag	RO1825255Ag	RO1825505Ag

### Process:

Gas Welding  
Oxy Acetylene  
Oxy Propane

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **service@wholeweld.co.uk**

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