

PRODUCT INFORMATION

SIFCUPRON No 17-2Ag

EN 1044: CP105,
BS: 1845 CP2
DIN8513: L-Ag2P

DESCRIPTION

A thin-fluxing copper phosphorus alloy with the addition of 2% silver to improve ductility and flowing characteristics. Highly resistant to corrosion and not subject to dezincification. It is ideal for hot water cylinders, electric motors and also general maintenance work. For brazing copper to copper no flux is needed.

WELDING POSITIONS



Suitable for use in heating and ventilation industries, ship building, refrigeration and offshore and electrical industries. Owing to low ductility, it should only be used with capillary type joints. 'Bell mouthed' joints should be avoided.

TYPICAL WELD METAL COMPOSITION

Ag	2 %
P	6 %
Cu	Bal

TYPICAL MECHANICAL PROPERTIES

Melting Point	645-740 °C
Ult Tensile Strength	430 N/mm ²
Hardness	195

MATERIAL TO BE WELDED

This high quality copper phosphorous rod is recommended for use when brazing seams on hot water cylinders, as it is highly resistant to corrosion. Can also be used in the production of electric motors and dynamos. The optimum brazing gap is typically 0.05 - 0.2mm. Not suitable to braze iron-containing materials like carbon or stainless steels or nickel.

AVAILABLE FORMATS

1M ROD (TIG / GTAW)			
Dia	1.0kg Pkt	2.5kg Ctn	5.0kg Ctn
1.6mm	RO181601	RO181625	RO181650
2.4mm	RO182401	RO182425	RO182450
3.2mm	RO183201	RO183225	RO183250

Gas Welding Process
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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