

SIFTIG C1

SIFSILCOPPER No. 7 HQ

An easy-flowing, high-quality, double-cleaned copper rod for full fusion welding of deoxidised high-purity copper sheet. The finished weld is free from porosity and copper oxide inclusions. Suitable for use in the Oxy/Acetylene brazing process (use SIFSILCOPPER FLUX-FO070050). Also commonly used in TIG welding. Suitable for fabrication and repairs to copper pipes, tanks, stills, etc.

The rod can be used for the fabrication of stills for the brewing industry, repairs to copper pipes and castings, calorifiers, fireboxes, and copper fittings. It exhibits a viscous weld pool and is typically best used on oxygen-free copper types. A preheat may be required on thicker materials (to a maximum of 60°C).

Suitable for use in repair and maintenance in the potable water, brewing, offshore, and process industries. This alloy also provides good electrical conductivity and is often used in machinery construction and conductor earthing rail manufacture.

Positions



For use in all positions.

Current
Shielding Gas

DC--
Pure Argon

Typical Weld Metal Composition

Ag 1% Cu Bal

Typical Mechanical Properties

Melting Point	1060°C
Ultimate Tensile Strength	200N/mm ²
Hardness	75

Available Formats

Dia.	5kg
1.6mm	R0071650HQ
2.4mm	R0072450HQ
3.2mm	R0073250HQ

Standards

EN ISO 24373 Cu 1897 (CuAg1)
(BS 1453 C1)