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Technical data Silver brazing filler metal Silver-flo™ 56 – Cadmium free silver brazing filler metal

Product description

Silver-flo™ 56 is a cadmium free silver brazing filler metal. It combines a low brazing temperature with a short melting range. These properties make Silver-floTM 56 an excellent general-purpose silver brazing filler metal. Along with Silver-flo™ 55 this filler metal is regarded as the best cadmium-free alternative to the low-melting cadmium containing alloys.

Silver-flo™ 56 is very free flowing and produces neat joints with small fillets. Joints made with Silver-floTM 56 are suitable for seawater applications, being resistant to dezincification.

The optimum joint gap at brazing temperature for this filler metal is 0.05-0.15mm.

Composition: 56%Ag, 22%Cu, 17%Zn, 5%Sn

Specification: ISO 17672:2010 Ag 156, AMS 4763, AWS BAg-7, formerly EN1044:AG102 **Melting range:** 618-652 °C

Uses for this product

Silver-flo™ 56 can be used to join all the common engineering materials (excluding aluminium) such as copper, copper alloys (including, brasses, bronzes, gun metal, nickel silvers, aluminium bronze, copper nickel), steels including, mild, carbon, tool steel, stainless steels, low alloy steel), tungsten carbide and PCD segments. On large or difficult to wet tungsten carbide pieces specialised silver brazing filler metals containing nickel / manganese are often preferred.

Conditions for use

This filler metal is mainly used for brazing in air with a flux. In most cases Easy-flo[™] Flux can be used in conjunction with Silver-flo[™] 56. However, flux selection is application dependent. Please refer to JM technical department or flux product datasheets before selecting a flux.

Product availability

Rod	1.5mm, 3mm
Flux coated rod	1.2mm, 1.5mm
Wire	On request
Strip	On request
Foil	On request
Braze-pastes	On request
Others	Rings, Preformed shapes

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