

Flux Impregnated

Copper-zinc brazing alloy

Product name	IABCO Flux Impregnated
Classification EN ISO	17672: ~Cu 470 24373: Cu 4700
Material No.	-
Classification AWS	A5.8: RBCuZn-A
Approvals	-
Applications	IABCO Flux Impregnated is very similar to IABCO Cu59ZnSn but it has micro-notches along the rod filled with flux. IABCO Flux Impregnated, a copper-zinc brazing alloy, has small additions of tin and silicon, to promote flow and control zinc volatilisation. Typical applications include tubular fabrications eg. bicycle frames, furniture, radiators and heating & cooling systems.
Base materials	Carbon steel. Cast iron. Stainless steel (when corrosion resistance is not a major requirement). Nickel and nickel alloys. Copper and copper alloys.
Typical analysis of wire, weight %	Cu: 59 Zn: Bal Sn: 0.8 Fe: 0.1 Si: 0.1
Typical procedure ⁽¹⁾	Owing to the high Zn content it is recommended to keep the heating cycle to a minimum to prevent Zn vaporisation.
Properties ⁽²⁾	Tensile strength, Rm: 440MPa. Melting range: 875-895°C
Other products	Brazing: Cu59ZnSn Cu59ZnSnMn Cu48ZnNi10

Notes (1) Application codes and project specifications should always be referred to for specific requirements.

(2) Actual mechanical properties will be dependent on specific welding procedure (including shielding gas, flux, PWHT etc) and should always be confirmed by approval of an appropriate welding procedure.