



Castolin **Xuper 65**

For joining CuFe tubes



Silver alloy for joining CuFe tubes
Its fluidity and capillarity allow it to be used in high-pressure installations

Castolin Xuper 65

Description

Castolin Xuper 65 is a brazing alloy designed for use in the refrigeration and cooling industry. A low silver content combined with the low temperature, this alloy is able to be used for brazing CuFe tubes. Castolin Xuper 65 has a low working temperature and yet high fluidity. The characteristics of Castolin Xuper 65 alloy provide all the requirements and protection for the joining of CuFe tubes.

New processes

The cooling and refrigeration industry is striving for more efficient and ecological systems, so renewing refrigerant gases is a fundamental requirement to drive this change. In addition, since these new gases need more pressure to work, the materials used during the installation need to be updated as well. Newly emerging CuFe tubes have added mechanical properties when compared to normal copper tubes. Therefore, they must be processed differently in order to take full advantage of the added benefits.

TECHNICAL CHARACTERISTICS

Solidus	700°C
Liquidus	740°C
Mechanical strength	535 N/mm ²
Density	8,9 gr/cm ³

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Castolin Eutectic is widely considered to be a pioneer in the field of possible improvements and changes in the industry and is developing and manufacturing brazing products that meet these new needs. After carefully studying the properties of CuFe tubes and all possible alloys that can be used to braze them, Castolin Eutectic has developed an alloy that provides the following benefits:

- . Low temperature
- . Good wetting and diffusion on the CuFe tube
- . Maintains the mechanical properties of the CuFe tube
- . High mechanical resistance in the joint

Use Flux

This type of CuFe tube requires the use of a flux, which is needed to ensure the removal of oxides produced during the brazing process.

Castolin Eutectic recommends using Castolin Activatéc 1000, Castolin 1802N Atmosin or EcoBraz 38906FP and 38920 FP flux for best results.

Castolin Xuper 65
ESC: 769634

Before use, read and understand the Safety Data Sheet.

Castolin Xuper 65
ESC Code: 769634
Rg 6.5
Ø 2.0 x 500
LOT# Nr: 249492