

# Silver brazing creams



The METACONCEPT Group's silver brazing creams are comprised of a homogeneous blend of metal powder, flux and binding agent. They are generally packaged in a syringe and can be applied manually or mechanically. Solder cream is a paste designed for the more accurate assembly of parts that do not require active fluxing. Indeed, the choice of powder, its granulometry and the quality of the stripper means that the cream has a very precise action. The product's packaging enables precise application and optimised joint quality. Waste originating from the use of these products can be recycled. [Contact our recycling department](#) to find out the terms and conditions.

Brazing creams are used in areas such as costume/fancy jewellery, watches, eyewear, semi-conductors, aeronautics, rail, the automotive industry, various electrical and mechanical assemblies, and the building industry. This product range complements the METACONCEPT Group's offering of sticks and solid or cored wires (internal or external flux) for brazing.

Have you defined the type of application? [Contact us](#). Our technical staff will be happy to assist you in choosing the most suitable cream.

## Characteristics

This table shows the most commonly used alloys for brazing

The METACONCEPT Group can also offer palladium-, copper-, nickel- and aluminium-based brazing creams. Please do not hesitate to [contact us](#).

Designation	Composition	Solidus / Liquidus	Information
Ag42 cream	Silver – copper – zinc	570°C	Limited mechanical properties
Ag45 cream	Silver – copper – zinc – tin	640°C	Specific solder for ferrous and copper alloys, electrical contacts
Ag54 cream	Silver – copper – zinc – tin	630°C	Universal silver solder, low melting temperature
Ag56 cream	Silver – copper – zinc – tin	650°C	Universal silver solder, excellent fluidity - Ag 800 / 1000

### Accessories available:

- Manual measuring device
- Dosing applicator
- Disposable cool box for the cream

**Storage of creams:** 18 months in a refrigerator at 10°C +/- 5°C. **Normal temperature of use:** 20 to 25°C.

The creams above are supplied in 3, 5, 10 and 30 cc standard plastic syringes (10 to 100 g depending on the alloys). Other packaging options are also available upon request. The syringes are equipped with needles which are perfectly suited to the application system. The needles range from 0.15 to 1.60 mm in diameter; they are plastic or metal, straight or curved, long or short to take advantage of technology across all processes.

# Applications

The creams are used in all industrial sectors requiring the use of automated or manual brazing operations.

# Implementation

The product safety datasheet below is available upon request from the METACONCEPT Group.

The parts to assemble must be totally clean and degreased.

The "refusion" is achieved using a flame, furnace, via induction or electrical resistance.

For dosing operations that require optimal application control, use a dosing applicator for the creation of uniform points and regular filling.

# Precautions for use

To prevent burns caused by the molten metal, it is advisable to wear a protective apron, shoes, gloves, helmet and glasses.

Do not smoke at the workstation.

The workstation must be well ventilated.

Wash your hands when leaving the workstation.

## Comments:

Always use a flux suited to the intended use. [Contact our technical department](#) to ascertain which product is most suited to your application.

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