

# Domes, tablets, cones and granules



The METACONCEPT Group offers these products in pure metal or alloy form. The domes, tablets and granules may be used to fill or finish off tinning baths. They are also designed for electroplating and are often used for protecting metallic surfaces against corrosion. They must be of high purity. The form of these products (used as anodes) and their placement in the bath are determining factors in ensuring a uniform coating on the parts being treated. Their large surface area significantly improves the effectiveness of the plating process. Waste originating from the use of these products can be recycled. [Contact our recycling department](#) to find out more.

## Characteristics

Composition	Forms	Density g/cm <sup>3</sup>	Solidus / Liquidus	Comments	Packaging
Sn40 - Pb60	Domes, tablets and granules	9.72	183°C - 235°C	NC	Bulk
Sn97 - Cu3	Domes, tablets and granules	7.33	227°C - 320°C	Lead-free*	Bulk
Sn99 - Cu1	Domes, tablets and granules	7.3	Eutectic 227°C	Lead-free*	Bulk
Sn100	Domes, tablets and granules	7.28	Eutectic 232°C	Lead-free*	Bulk
Pure zinc	Tablets and granules	7.14	419°C	NC	Bulk
Pure silver	Tablets and granules	10.49	962°C	NC	Bulk

(\*) Lead-free alloys - European standard no. 2000 / 53 / CE

# Applications

- Electronics
- Electroplating
- Surface treatments
- Automotive
- Aeronautics
- Spatial
- Connectivity
- Electronics
- Metal braids

# Implementation

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

## For tinning baths

The parts being assembled must be pre-treated (cleaned + fluxed). The temperature of the bath must be brought to around 20° above the liquidus temperature. A T010-type deoxidising power traps potential oxides present on the surface of the bath. Covering the bath with grease also helps to prevent the appearance of oxides.

**For other applications, [contact us](#).** Our technical staff will be happy to send you the correct implementation procedure for your application.

# 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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