

Glance Cu 160

Cyanide-Free Electrolytic Copper Plating Process



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Alkaline Copper for Rack and Barrel Applications

The electroplating industry is under an increasing amount of pressure due to new regulations that are impacting the current and future use of chemicals.

Cyanide is no exception and regulations aim to eliminate or minimize its use, as a result of the environmental risks it entails.

Technic provides several cyanide-free solutions for decorative and industrial applications, continuing to deliver excellent performance while providing a more sustainable process for manufacturers.

Glance Cu 160 is a cyanide-free alkaline copper plating process, which produces a fine-grained, smooth, dense, and ductile copper deposit, free from porosity and with excellent binding properties.

The product allows the deposition of copper directly on a wide range of metals such as steel, copper, brass, stainless steel, electroless nickel, and zamak. It is suitable for both rack and barrel applications.

Glance Cu 160 can be used for various types of decorative finishing, e.g. furniture and fashion applications, as well as for industrial applications.

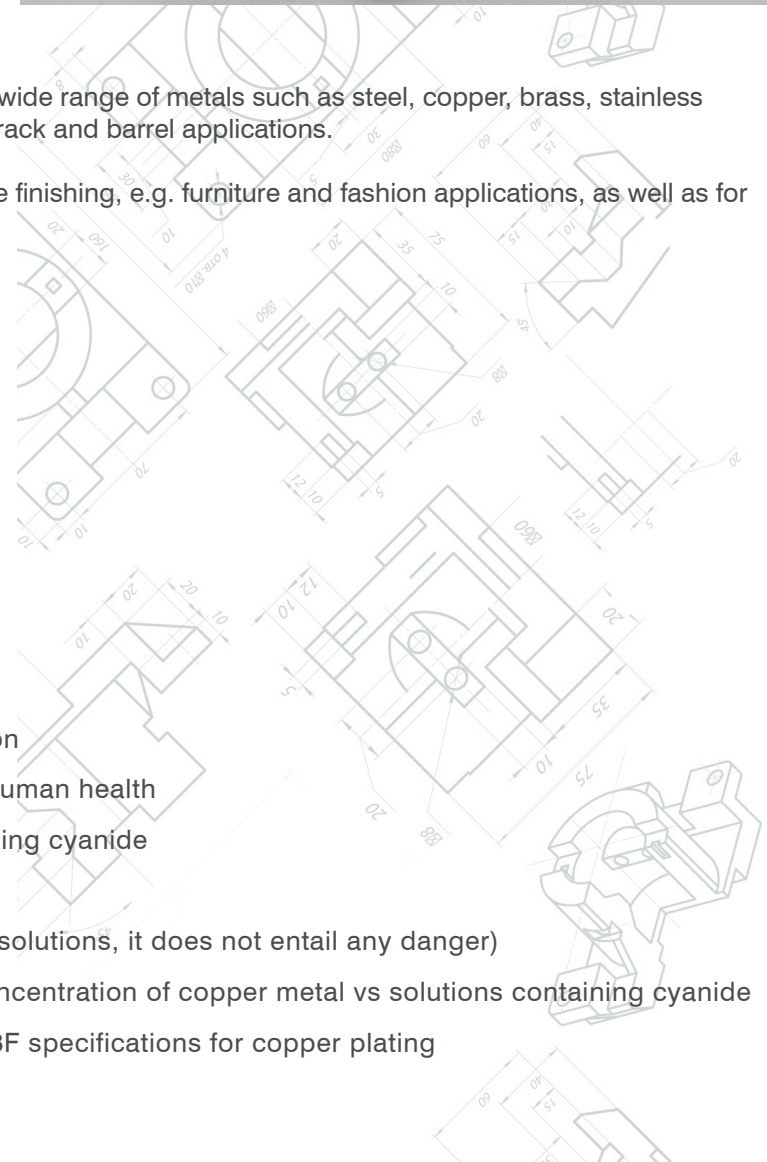


Features

- High throwing and covering power
- Free from chelating agents
- Stable process, no need to replace periodically
- Easily controllable
- Analyzable components

Benefits

- Does not require any pre-copper plating operation
- Does not pose any risk to the environment and human health
- Eliminates the high cost of treating water containing cyanide
- Does not require treatment of carbonates
- Safe handling (even in case of contact with acid solutions, it does not entail any danger)
- Offers financial benefits, due to a much lower concentration of copper metal vs solutions containing cyanide
- Complies with MIL-C-14550B and SAE-AMS-2418F specifications for copper plating



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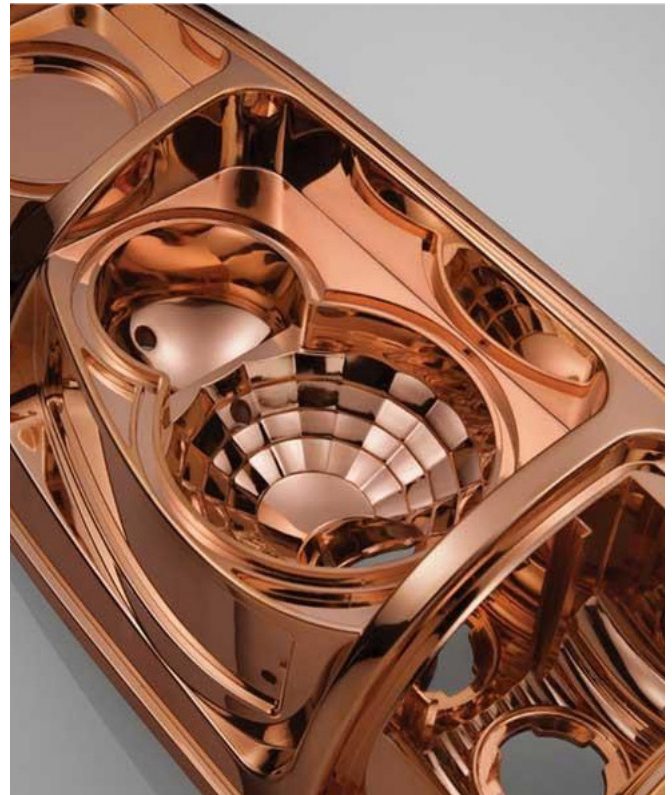
Product Specifications

MAKEUP:

Glance Cu 160 Cu	1 liter	400 ml
Glance Cu 160 E	1 liter	100 ml
Glance Cu 160 PHA	1 liter	50 ml
Copper Metal	1 liter	7.5 g

OPERATING PARAMETERS:

Voltage	1-6 V
Temperature	50° C
Current Density	1 A/dm ²



“In the context of cyanide-free processes, Glance Cu 160 offers excellent performance and eliminates the high operating costs due to the restricted use of cyanide and the dangers associated with its use. A cyanide-free process can only be considered successful if the quality of the deposit is not compromised. Glance Cu 160 has been shown not only to produce deposits comparable to standard copper plating processes, but in many cases, the deposit attributes have shown superior results. This process is also very versatile and is used for applications in the decorative sector such as furniture and fashion accessories, but also in the aerospace sector.”

Giorgio Stabilini, Managing Director at Technic Italgalvano



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