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UMICORE ANTITARNISH 617



Anti-tarnish process for silver, free from heavy metals

Umicore Antitarnish 617 is a tarnish protection process for precious metals, especially silver. Based on nanotechnology, this antitarnish process is applied in a thin layer through a simple immersion method. This long-lasting invisible layer protects the base material from oxidation, discoloration and mechanical stress. Color and brightness are not impacted. The coating is chemically resistant, dirt and water repellent and has a long lifespan. For these reasons the process is very well suited to decorative purposes.

This silver tarnish protection is biologically safe, skin-friendly and hypoallergenic. It creates a good feel and also prevents scratches and wear. But it still facilitates subsequent sanding and polishing.

The tarnish protection is suitable for rack and barrel plating.



Advantages

- Color and shine are not affected
- Biologically safe, skin-friendly and hypoallergenic
- For decorative applications
- Simple immersion process
- Repels dirt and water
- Additional protection from wear and scratches
- Creates a good feel on the surface
- Facilitates subsequent sanding and polishing
- Suitable for rack and barrel plating

Applications

- Silver surfaces
- Especially suitable for antique coloured silver jewellery

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TECHNICAL SPECIFICATIONS

Electrolyte characteristics

Electrolyte type	Aqueous immersion process free from heavy metals
pH value	6.5 (5 - 8) at operating temperature
Operating temperature	50 (47 - 53) °C

Coating characteristics

Colour of deposit	Unaffected
Brightness	Unaffected

YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation? Our specialist will be happy to help you with any technical questions you might have.



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