

Satilume® Plus family

The full spectrum of satin nickel finishes



General Metal Finishing

Decorative coatings

atotech.com



A versatile alternative to standard bright nickel chrome layers

The satin effect

For decorative applications, Atotech provides fashionable satin nickel finishes as a versatile alternative to standard bright nickel chrome layers or other decorative deposits. Our processes from the Satilume® Plus range provide a variety of fine, regular and very attractive surfaces with a silky and matt decorative appearance.

By combining the different satin nickel finishes with Atotech's wide range of final deposits, a tremendous spectrum of colors and designs can be achieved. The Satilume® Plus processes can be plated on metallic substrates such as brass, steel or zinc die-cast and suitable plastics like ABS, ABS/PC blend materials or PA.

Feature and benefits

- Trusted and approved worldwide for automotive, sanitary and other industry applications
- Wide range of colors available through further plating with trivalent chrome, hexavalent chrome, silver, ruthenium, brass or gold finishes
- Suitable for use with Satilume® LongLife, Atotech's regeneration system for satin nickel electrolytes

Soft, non-reflective nickel for a sophisticated appearance



Figure 1:
Satilume® Plus plated
automotive parts

Figure 2:
Satilume® LongLife
regeneration system

Pictures Courtesy of
Mefiag Netherlands B.V.

Finishing choices for modern designs

Atotech's Satilume® Plus processes feature a wide range of satin effects, achieved by modifying various operating parameters, as well as high corrosion performance and longterm stability. The matt or satin finish is achieved by temporary local inhibition of the plating. Small particles or droplets create a structuring of the surface which leads to reflecting the light diffusely.

Atotech's satin nickel processes include a comprehensive range of products and are approved by numerous automotive OEMs worldwide.

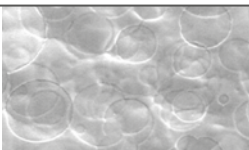
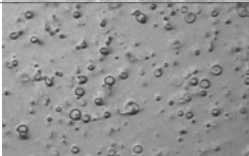
Visit www.atotech.com/automotive-approvals for more information.

Satilume® LongLife

Satilume® LongLife is a regeneration system that combines Atotech's well-known Satilume® Plus process with advanced filtration and dosing equipment. Continuous electrolyte filtration and an optimized, fully-automated, additives dosing system help stabilize the process and allow for uninterrupted production, increasing from several hours up to five days with no further maintenance needed. In addition to ensuring constant, stable satin nickel finishes with improved quality and appearance, Satilume® LongLife also increases the plating capacity of existing production lines, reduces the amount of maintenance required and lowers reject rates.

Satilume® LongLife is a production proven system running for automotive and sanitary applications. It is suitable for high quality production of satin nickel plating.

The main processes in the Satilume® Plus family

Satin additives	Appearance	Surface topography
Satilume® Plus C2	Satin-matt	
Satilume® Plus AF6	Aluminum finish / silky matt	
Satilume® Plus LS1/LS2	Light satin / soft bright finish	