

For immediate release

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Techniseal and Tarniban®

Proven protection for silver deposits under the harshest conditions

Cranston, RI, USA – Techniseal and Tarniban® KS II are Technic’s premier silver anti-tarnish processes designed to prevent yellow discoloration under the harshest conditions. Both are production proven processes that can be used in barrel, rack, and high-speed reel-to-reel applications.

Techniseal is Technic’s most powerful silver anti-tarnish. The electrolytic process deposits a nano-scale inorganic coating on the surface of the silver deposit within 5 seconds. This high-speed deposition makes it particularly suited for reel-to-reel applications. Silver deposits treated with Techniseal pass all ammonium and potassium sulfide tests. Additionally, Techniseal will prevent silver discoloration caused by high-temperature exposure, making this product especially useful for automotive “under the hood” and LED applications. Producers of silver plated castings are also using Techniseal to prevent discoloration on the product after long-term exposure to temperatures above 232 °C and under humid storage conditions.



Tarniban® and Techniseal KS II – High Performance Protection of Silver Deposits.

Technic’s Tarniban® KS II is an organo-thiol process that can be used in immersion or electrolytic applications. It forms a SAM (Self-Assembled Molecular) barrier layer on silver deposits and prevents discoloration at temperatures below 232 °C. Tarniban® withstands all standard ammonium and potassium sulfide tests and provides a more lubricious coating to the silver deposit. Rack and barrel applications require only simple immersion for at least 30 seconds. For reel-to-reel applications, Technic recommends an electrolytic treatment, providing full protection of the silver deposit in just 5 – 10 seconds.

For more information on *Tarniban® and Techniseal*, please contact your local Technic representative.

Learn more at www.technic.com

About Technic

Technic Inc. is a Rhode Island based corporation with over 950 employees worldwide. For over 75 years, Technic has been a global supplier of specialty chemicals, custom finishing equipment, engineered powders, and analytical control systems to the semiconductor, electronic component, printed circuit board, industrial finishing and decorative industries. Technic is also a major supplier of engineered metal powders to the solar industry.