

Protection right from the start for high-quality final surfaces







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By definition, precious metals are largely resistant to corrosion in a natural environment. In daily use, however, they are exposed to environmental influences which they cannot withstand. Optical flaws or technical malfunctions are the unwanted consequences.

INCREASED QUALITY THROUGH SUITABLE PROTECTIVE LAYER

Give your decorative and technical products specific protection and qualitative advantages without affecting the properties of your precious metal surface.



Individual solutions for your specific requirements

A few nanometers thick, transparent layer of special nanopolymers protects your precious metal surface from corrosion, tarnishing, discoloration, dirt and abrasion or scratches.

In addition, product quality is increased by functional properties. Decorative products in particular benefit from the water-repellent effect and the pleasant feel of the protective layers. Technical products such as connectors achieve a significant reduction in insertion and withdrawal forces.



The wide range enables the suitable protective layer for almost every application.



Protective Layers



Decorative Applications

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Antitarnish		Precio	us met	al base		Protective effect					Usage			Information
	Ag Plated	Ag Sterling	Ag Antique	Au	Other Pd Pt Rh Ru	TAA ¹	K2S ²	(NH4)2S ³	Na2S⁴	Reality⁵	Rack	Chain galvanization	Barrel	Hints and special characteristics
613	•	•	•	•	•		0000	0000	0000		•	•	•	Subsequent bonding possible (e.g. stones) / passes TAA test
617	•	•	•	•	•						•	•	•	Especially for sterling silver or antique coloured silver
617 PLUS	•	•	•	•	•						•	•	•	Especially for plated Sterling Silver / Electrochemical
618	•	•	•	•	•						•	•	•	Especially for silver-plated or gold-plated surfaces
618 PLUS	•	•	•	•	•						•	•	•	Especially for silver-plated or gold-plated surfaces / Electrochemical

Technical Applications

	Sealing		Precio	us met	al base	Protective effect		Layer characteristics			Usage			Information
		Au	Ag	Pd	Other	NSS ⁶	K2S ²	Contact resistance ⁷	Coefficient of friction ⁸	Soldering/ bonding ⁷	Rack	Barrel	Reel-to-reel	Hints and special characteristics
	691	•	•	•							•	•	•	
	691 EL	•	•	•							•	•	•	Excellent suitable for reel-to-reel lines / Electrochemical
ed	692	•	•	•	Other metals on request (e.g. selective precious metal plating, mixed plating, etc.)						•	•	•	Simplified handling
ig S	692 EL	•	•	•	– plating, etc.)						•	•	•	Excellent for reel-to-reel systems / Simplified handling / Electrochemical
	Topseal 693	0	•	•	_						•	•	•	Organic-free / Extremely temperature-resistant protection

Optimized

⊙ Useable O Not useable ■■■■ Excellent ■■■□ Very good

1) Thioacetamid test

■■□□ Medium 3) Ammonium sulphide test ■□□□ Weak 4) Sodium sulphide test □□□□ None 5) Protective effect in reality

6) Neutral salt spray test 2) Potassium sulphide test 7) Indication of stability 8) Indication of reduction

Right Composition. Perfect Surface.



CONTACT PERSON

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