

Techseal® Silver SL G

Zinc flake top coat



General Metal Finishing

Zinc flake technology

atotech.com



Silver top coat combining best protection with chemical resistance

Silver top coat for automotive applications

Techseal® Silver SL G from MKS' Atotech, an organic, solvent-based top coat with excellent corrosion protection and chemical resistance, is currently under approval for GMW 3359 specifications. An integrated lubricant caters to controlled friction properties in the defined range laid out by OEM specifications. The top coat exhibits a uniform, attractive silver appearance and very good adhesion.

Corrosion resistance

Base coat	Top coat	Durability
8 µm	4 µm	1,000 h*
10 µm	4 µm	1,500 h*
15 µm	4 µm	2,000 h*
8 µm	4 µm	48 cycles**

Corrosion resistance acc. to *ISO 9227 / **GMW 14872 and layer thickness may vary depending on part geometry, substrate and application method.

Features and benefits

- Organic silver top coat
- Approved for GMW 3359 specification
- Excellent corrosion protection
- Very good adhesion
- Attractive uniform appearance
- Solvent-based
- Very good chemical resistance
- Integrated lubricant for controlled friction properties
- No hydrogen embrittlement

Techseal[®] Silver SL G

Silver organic top coat

Application

- Dip-spin
- Dip-drain
- Spray

Parts (application)

- Fasteners
- Chassis parts
- Stamping parts
- Springs
- Clips

Coefficient of friction

- 0.10 – 0.16 (μ_{tot}) acc. to GM
- Fulfilling +/- 3 Sigma acc. to GM

Corrosion performance



Start

Combinations

- Combinable with Zintek[®] base coats
- Combinable with electroplated and passivated finishes

Application parameters

- Application viscosity: 35 – 50 sec
- Curing time: 10 – 40 min
- Curing temperature: 180 – 220 °C
- Recommended 30 min at 210 °C object temperature

Technical data

- Delivery density: 1.02 – 1.12 g/cm³ (at 23 °C)
- Stability in sealed drums: 24 months
- Theoretical coverage rate: 29 m²/kg (based on 10 µm dry film)



1,000 h*

