

Techseal® Brilliant Silver

Zinc flake top coat



General Metal Finishing

Zinc flake technology

atotech.com



As brilliant as a top coat can be

Electroplated zinc's look-alike

With its attractive and shiny appearance, MKS' Atotech Techseal® Brilliant Silver organic silver top coat can almost be mistaken for electroplated zinc. The top coat's high coverage capacity electroplated and passivated finishes and zinc flake base coatings produce uniform layer dip-spin applications. Techseal® Brilliant Silver provides excellent scratch and chemical resistance as well as very strong adhesion. An integrated lubricant makes controlled mountings on fasteners a breeze.

Corrosion resistance

Base coat	Top coat	Durability
8 µm	4 µm	1.000 h*

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

Features and benefits

- Organic silver top coat
- Very attractive and shiny appearance
- Comparable appearance to plated zinc
- High coverage: Very homogenous layer in dip-spin application with only one layer
- Good scratch and chemical resistance
- Integrated lubricant for controlled mounting
- Applicable on zinc flake base coats as well as electroplated/passivated finishes
- Very good adhesion

Techseal[®] Brilliant Silver

Silver organic top coat

Application

- Dip-spin
- Spray

Parts (application)

- Fasteners
- Bolts
- Screws
- Stamping parts

Coefficient of friction

- Integrated lubricant for controlled mounting

Combinations

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

Application parameters

- Application viscosity: 42 – 50 sec
- Curing time: 15 – 40 min
- Curing temperature: 180 – 220 °C
- Recommended 20 min at 210 °C object temperature

Technical data

- Delivery density: 0,98 – 1,08 g/cm³ (at 23 °C)
- Stability in sealed drums: 18 months
- Theoretical coverage rate: 83 m²/kg (based on 4 µm dry film)

Corrosion performance



0 h



720 h*



1,000 h*

