

Techseal® Black SL T

Zinc flake coatings from Atotech



General Metal Finishing

Zinc flake technology

atotech.com

Attractive matt black finish

Black top coat approved for Volkswagen TL 233 standards

MKS' Atotech Techseal® Black SL T is a solvent-based black top coat that provides excellent corrosion protection with increased white corrosion resistance, maintaining the uniform attractive matte black finish of the top coat. Techseal® Black SL T, with outstanding coverage properties and integrated lubrication, exhibits strong adhesion and outstanding ductility. Techseal® Black SL T has been approved for Volkswagen TL 233 standards.



Features and benefits

- Organic black top coat
- Excellent corrosion protection
- Very good coverage properties
- Increased white corrosion resistance
- Very good adhesion and ductility
- Attractive uniform matt black appearance
- Solvent-based
- Integrated lubricant
- Approved for Volkswagen TL 233 standard

Corrosion resistance

Base coat	Top coat	Durability
6 µm	3 µm	> 240 h*
6 µm	7 µm	> 840 h*

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

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Application

- Dip-spin
- Spray

Parts (application)

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

Coefficient of friction

- 0.09 – 0.15 (μ_{tot}) acc. VW

Corrosion performance



Start

Combinations

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

Application parameters

- Application viscosity: 40 – 50 sec
- Curing time: 15 – 40 min
- Curing temperature: 180 – 220 °C
- Recommended 30 min at 210 °C object temperature

Technical data

- Delivery density: 1.10 – 1.20 g/cm³ (at 23 °C)
- Stability in sealed drums: 24 months
- Theoretical coverage rate: 28 m²/kg (based on 10 µm dry film)



1,000 h*

