

# Techseal® Black SL VA

## Black organic top coat



General Metal Finishing

Zinc flake technology

atotech.com

## Attractive black finish

### Top coat with outstanding properties

Techseal® Black SL VA, a high-class organic top coat offers excellent barrier protection. Its integrated lubrication ensures defined coefficient of friction properties on different washer materials and reduced heat-loosening. Combined with Zintek® 300 HP, it provides exceptional corrosion protection and chemical resistance.

MKS' Atotech high-performance black zinc flake coating system consisting of Zintek® 300 HP and Techseal® Black SL VA fulfills the highest requirements, such as Volkswagen TL180, OfI-t667 standard, in terms of corrosion protection, color stability, chemical resistance, multiple mounting, and heat-loosening properties.



### Corrosion resistance

Base coat	Top coat	Durability
6 µm	3 µm	> 720 h*
6 µm	7 µm	> 1,008 h*

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

### Features and benefits

- Organic, solvent-based top coat
- Attractive, semi-bright black finish
- Excellent corrosion resistance and high color stability in combination with a black base coat
- Integrated lubricant provides adjusted coefficient of friction acc. to VW 01131 even after multiple mounting
- Fulfilling heat loosening properties acc. to VW 01131
- Excellent handling, lowest abrasion, best adhesion
- High chemical resistance
- Techseal® Black SL VA is approved for Volkswagen TL180 standard

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### Application

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- Dip-spin
- Spray

### Parts (application)

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- Fasteners
- Chassis part
- Springs
- Clips

### Coefficient of friction

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- 0.08 – 0.16 ( $\mu_{\text{tot}}$ ) acc. VW 01131 (at e-coat and aluminum)

### Corrosion performance (white rust corrosion)



After coating

### Combinations

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- Combinable with Zintek® base coats (Zintek® 300 HP/ Zintek® 200)
- Combinable with electroplated and passivated finishes

### Application parameters

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- Application viscosity: 40 – 50 s (3 mm cup acc. to DIN 53211, 20 °C)
- Curing time: 15 – 40 min
- Curing temperature: 180 – 220 °C
- Recommended 20 min at 210 °C object temperature

### Technical data

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- Delivery density: 1.05 – 1.15 g/ml (at 23 °C)
- Stability in sealed drums: 12 months
- Theoretical coverage rate: 32 m<sup>2</sup>/kg (based on 10 µm dry film)



240 h

