

# Zintek<sup>®</sup> 200 SL F

## Zinc flake base coat



General Metal Finishing

Zinc flake technology

atotech.com



## Lubricated base coat

### Defined CoF and high corrosion resistance

Because there is no “slip-stick” effect, OEMs now recommend the efficient, self-lubricated, two-layer base coat system from Atotech for safety labeled fasteners. The zinc flake solution offers a regulated coefficient of friction (CoF) between 0.12 to 0.18, satisfying the friction demands of numerous OEMs against diverse materials like aluminum, galvanized steel, and e-coated steel. In Neutral Salt Spray Testing (NSST), Zintek<sup>®</sup> 200 SL F exhibited excellent cathodic corrosion protection, lasting over 1,000 hours without base material corrosion.

### Corrosion resistance

| Base coat | Top coat | Durability |
|-----------|----------|------------|
| 8 µm      | 0 µm     | 720 h*     |
| 10 µm     | 0 µm     | 1,000 h*   |

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

### Features and benefits

- Inorganic silver zinc flake base coat
- Lubricant integrated for controlled friction properties
- Maintains a centered CoF in the range of 0.12 – 0.18 without stick-slip effect
- Can provide 1000 h and more NSST without base metal corrosion, even with complex parts
- Excellent corrosion protection even after stone-chipping
- Cost efficient finish (no top coat layer needed)
- High coverage and smooth silver appearance
- Approved for the French automotive industry

# Zintek<sup>®</sup> 200 SL F

## Silver inorganic base coat

### Application

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- Dip-spin
- Spray

### Suitable for

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- Fasteners
- Bolts
- Screws
- Springs
- Stampings

### Coefficient of friction

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- 0.12 – 0.18 ( $\mu_{tot}$ ) acc. to Renault standard
- 0.12 – 0.18 ( $\mu_{tot}$ ) acc. to PSA standard

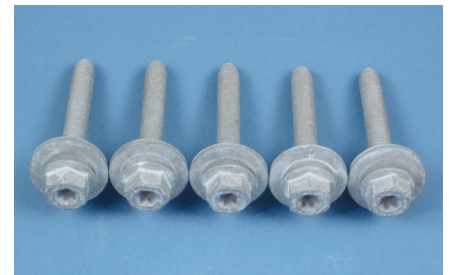
### Corrosion performance



0 h



1,008 h\*



1,008 h  
NSST after stone chipping  
acc. PSA D24 1312  
(only 720 h required)

### Combinations

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- No additional top coat required

### Application parameters

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- Application temperature: 15 – 28 °C
- Application viscosity: 45 – 55 sec
- Curing time: 20 – 45 min
- Curing temperature: 220 – 240 °C
- Recommended 30 min at 230 °C object temperature

### Technical data

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- Delivery density: 1.45 – 1.65 g/cm<sup>3</sup> (at 23 °C)
- Stability in sealed drums: 24 months
- Theoretical coverage Rate: 24 m<sup>2</sup>/kg (based on 10 µm dry film)

