

Zintek[®] 200 SL F

Zinc flake technology from Atotech



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[®] 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

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Application

- Dip-spin
- Spray

Suitable for

- Fasteners
- Bolts
- Screws
- Springs
- Stampings

Coefficient of friction

- 0.12 – 0.18 (μ_{tot}) acc. to Renault standard
- 0.12 – 0.18 (μ_{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

- No additional top coat required

Application parameters

- 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

- Delivery density: 1.45 – 1.65 g/cm³ (at 23 °C)
- Stability in sealed drums: 24 months
- Theoretical coverage Rate: 24 m²/kg (based on 10 µm dry film)

