

Zintek[®] Top XT

Zinc flake coatings from Atotech



General Metal Finishing

Zinc flake technology

atotech.com

Thin layer, best protection

Zinc flake coating systems

Zinc flake technology provides a high grade of corrosion protection using combinations of specialized base and top coats. Largely embraced by the fastener industry, such coatings find widespread use within a variety of applications: ranging from fasteners, hose clamps, clips or brake components for the automotive industry, special fasteners in the wind power, construction and other industries. Atotech offers a comprehensive range of processes including silver and black finishes for different application areas. The coatings are completely Cr(VI)-free and fulfill global automotive performance requirements.



Corrosion resistance

Base coat	Top coat	Durability
8 µm	1 µm	1,000 h*
10 µm	1 µm	1,500 h*
15 µm	1 µm	2,000 h*
8 µm	1 µm	12 cycles**

Corrosion resistance acc. to *ISO 9227 / **Ford L-467 and layer thickness may vary depending on part geometry, substrate and application method.

Features and benefits

- Inorganic clear top coat
- Boosting tremendously corrosion protection
- Outstanding performance in Neutral Salt Spray Test (NSST) as well as cyclic corrosion resistance (CCT)
- Significantly reducing white rust formation
- Very good adhesion
- Attractive transparent appearance
- Water-based
- No hydrogen embrittlement
- Free of harmful heavy metals such as Cr(VI), cadmium, cobalt, lead or nickel
- Excellent results on zinc flake base coats as well as on electroplated zinc/zinc alloys

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Application

- Dip-spin
- Spray

Parts (application)

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

Coefficient of friction

- Integrated lubricant for controlled friction properties

Corrosion performance



Start

12 cycles**

Combinations

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

Application parameters

- Make up: ready to use
- Curing time: 15 – 45 min
- Curing temperature: 120 – 180 °C
- Recommended 30 min at 150 °C object temperature

Technical data

- Delivery density: 1.03 – 1.13 g/cm³ (at 20 °C)
- Stability in sealed drums: 18 months
- Theoretical coverage rate: 77 m²/kg (based on 2 µm dry film)



Start

2,100 h*

